Report of Phase I Environmental Site Assessment

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Prepared For

Mountaire Farms of Delaware, Inc. Millsboro, Delaware

Prepared by

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June 1, 2016





ENVIRONMENTAL GEOLOGISTS AND ENGINEERS

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June 1, 2016

Ms. Beth B. Sise Mountaire Farms of Delaware, Inc. 29106 John J. Williams Hwy. Millsboro, Delaware 19966

Reference: Report of Phase I Environmental Site Assessment

Former Townsend Plant and Acme McCrary Warehouse

Siler City, North Carolina

Dear Ms. Sise:

Duncklee & Dunham, P.C. (Duncklee & Dunham) is pleased to submit this *Report of Phase I Environmental Site Assessment* for the above-referenced site. This report presents the results of our Phase I Environmental Site Assessment (ESA) conducted in general accordance to ASTM International's Standard Practice E 1527-13 and the All Appropriate Inquiries rule for a Phase I ESA. Duncklee & Dunham did not identify recognized environmental conditions at the site except for:

- groundwater beneath the plant site, which may have been adversely by releases of chemicals used to to maintain mechanical equipment;
- the releases of gasoline and diesel fuel at the plant site, which have adversely affected soil and may have adversely affected groundwater;
- groundwater at the warehouse site, which may have been adversely affected by releases of solvents when the building was used for textile manufacturing.

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Please review the following report in its entirety for more information regarding our findings and opinions for the site. Duncklee & Dunham appreciates the opportunity to be of service to you. Please contact me at (919) 858-9898 if you have any questions.

Sincerely,

Duncklee & Dunham, P.C.

Russell H. Molyneux Project Geologist

Richard A. Kolb, L.G. Senior Geologist

Senior Peer Review

Ernest F. Parker, P.E., P.G. Senior Geologist

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List of Acronyms

All Appropriate Inquiries

AST Aboveground Storage Tank
AULs Activity and Use Limitations

CERCLA Comprehensive Environmental Response, Compensation and Liability Act

CERCLIS Comprehensive Environmental Response, Compensation and Liability Information

System

CESQG Conditionally Exempt Small Quantity Generator of hazardous waste

CORRACTS Sites subject to corrective action under the Resource Conservation and Recovery Act

DRO Diesel Range Organics

DSCA Drycleaning Solvent Cleanup Act
EDR Environmental Data Resources Inc.
EPA Environmental Protection Agency
EPH Extractable Petroleum Hydrocarbons
ESA Environmental Site Assessment
GRO Gasoline Range Organics

HSDS Hazardous Substances Disposal Sites

IAA Initial Abatement Action

IHSB Inactive Hazardous Sites Branch
 IHSI Inactive Hazardous Sites Inventory
 IMD Incident Management Database
 LAST Leaking Aboveground Storage Tank

LQG Large Quantity Generator of hazardous waste

LNAPL Light Non-Aqueous Phase Liquids

LSA Limited Site Assessment

LUST Leaking Underground Storage Tank

MADEP Massachusetts Department of Environmental Protection

MSCC Maximum Soil Contaminant Concentration

NCDEHNR North Carolina Department of Environment, Health, and Natura Resources

NCDENR North Carolina Department of Environment and Natural Resources

NCDEQ North Carolina Department of Environmental Quality

NoRR Notice of Regulatory Requirements

NOV Notice of Violation
OWS Oil/water Separator
PCBs Polychlorinated Biphenyls

PSRG Preliminary Soil Remediation Goal
RCRA Resource Conservation and Recovery Act
REC Recognized Environmental Condition

SQG Small Quantity Generator of Hazardous Waste

SVOC Semivolatile Organic Compound SWRCY Solid Waste Recycling Facilities TPH Total Petroleum Hydrocarbons TSCA Toxic Substances Control Act

USDA United States Department of Agriculture

USGS United States Geological Survey
UST Underground Storage Tank
VOC Volatile Organic Compound



Report of Phase I Environmental Site Assessment Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina June 1, 2016

1 Executive Summary

Duncklee & Dunham conducted a Phase I Environmental Site Assessment of the former Townsend chickenprocessing plant (the "plant") and the former Acme McCrary Warehouse (the "warehouse") in Siler City, Chatham County, North Carolina, hereinafter called "the subject site". The plant is located at 1101 East Third Street and the warehouse is located at 1200 East Third Street. The plant site consists of 9.45 acres and is developed with a two-story processing plant, an office building, and a laboratory feet. The warehouse site consists of 13.74 acres and is developed with a former textile mill most recently used as a warehouse that comprises a total of 182,674 heated square feet. The plant site is bound to the north by East Eleventh Street (U.S. 64), across which is an Acme McCrary warehouse used to store ladies' hosiery and seamless apparel products; to the east by the Relax Inn motel; to the south by East Third Street, across which are the Hometown Cleaners building, an office building occupied by Realty World, and the former Acme McCrary warehouse; and on the west by Johnson Avenue, across which are mobile homes. The warehouse site is bound to the north by East Third Street, across which are the plant site, the Relax Inn motel, This 'N That thrift store, Valvoline Express Care, and a Star Petrol/Quick Way Mart gasoline station/convenience store; to the east by a building occupied by Alvarado Jewelry, In Soccer, and the Vera Gala special event venue; to the south by East Raleigh Street, across which are a single-family residence, undeveloped land, and a building occupied by Lynne's Fabrics; and to the west by an office building occupied by Realty World.

EDR reviewed environmental lists published by federal and state agencies for sites on environmental lists within the search distances recommended in ASTM International's Standard Practice E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (E1527-13). EDR identified the plant site on the LUST list and IMD list due to releases from former petroleum USTs, underground fuel lines, and dispensers. At the plant site, Cohesion Inc. (Cohesion) closed by removal two registered USTs (gasoline and diesel) in August 2015. During closure, they discovered evidence of a release from a gasoline UST and excavated approximately 411 tons of petroleum-contaminated soil from beneath this UST. Cohesion collected soil samples and submitted the samples for laboratory testing, the results of which were tabulated in their 20 Day Report. The laboratory detected TPH-GRO and TPH-DRO at concentrations that exceed the NCDENR's action level of 10 mg/Kg. NCDENR requested completion of a Phase I LSA at the plant site to determine what further assessment or remediation would be needed, if any. That assessment is in progress.

EDR identified the warehouse site on the LUST list and IMD due to releases related to four USTs formerly present at the site, two of which were located on the eastern side of the building and which fueled the boilers, and two of which were located on the southwestern side of the building near the loading bays. ENSCI Corporation (ENSCI) closed the USTs by removal in 1992. They oversaw the removal of approximately 3,000 gallons of contaminated groundwater and 200 tons of contaminated soil from the location of the two USTs on the eastern side of the building, and 5 cubic yards of contaminated soil from the diesel UST location on the southwestern side of the building. ENSCI reported that they could not excavate all the contaminated soil without jeopardizing the integrity of the adjacent building at both of these locations. ENSCI advanced soil borings at the UST locations and submitted samples for laboratory testing, the results of which showed some samples exhibited TPH-DRO and oil and grease at concentrations that exceed NCDENR's action levels.



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ENSCI supervised the subsequent construction of three monitoring wells at the former UST locations on each the eastern and southwestern sides of the building. Groundwater samples from these wells did not exhibit petroleum constituents that exceed the North Carolina groundwater quality standards. ENSCI prepared a Site Sensitivity Evaluation for the contaminated soil they could not excavate in which they showed that further remediation would not be required, and they did not recommend further action at the site. However, the regulatory file remained open. The file also contained a letter to NCDEHNR from legal counsel for Glendale in which results of sampling of the six wells in 1994 were included. This report showed that a groundwater sample from one of the wells near the former location of the gasoline UST exhibited benzene and ethylbenzene at concentrations that exceeded the groundwater quality standards. The regulatory file did not contain additional correspondence.

Off the site, EDR identified one site on the HSDS list within one mile of the subject site; two sites on the LAST list, 13 sites on the LUST list, 10 sites on the IMD, and one site on the drycleaners list within one-half mile of the site; and Fields Body Shop, formerly located on an adjoining property to the southwest, on the list of sites that formerly generated hazardous waste. EDR did not report violations of the hazardous waste rules for this site. NCDEQ has closed the regulatory file for seven of the ten sites on the LUST list and five of the sites on the IMD. EDR also identified four "orphan" sites on the LUST list within the search distances specified in E1527-13. NCDEQ has closed the regulatory files for three of these sites. The regulatory file for the LUST at the Chatham Chevrolet Buick Pontiac, located on an adjacent property to the east of the warehouse, remains open. Duncklee & Dunham does not consider the listed sites to represent RECs to the subject site because the releases on these lists are topographically downgradient or crossgradient of the subject site, or in drainage basins different from the subject site, or the regulatory files for these incidents have been closed.

Duncklee & Dunham reviewed the history of the site using historical references provided by EDR. These references show the plant and warehouse have been present on the subject site since at least 1961. Aerial photographs from 1965 through 1993 show additions to these buildings. The aerial photographs after 1993 do not show additional changes to the site.

Duncklee & Dunham conducted a Phase I Environmental Site Assessment of the former Townsend chicken-processing plant and the former Acme McCrary Warehouse in general conformance with the scope and limitations of ASTM Practice E1527-13 and 40 CFR Part 312. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. Duncklee & Dunham did not identify evidence of recognized environmental conditions in connection with the subject site except for the following:

- groundwater beneath the plant site, which may have been adversely by releases of chemicals used to to maintain mechanical equipment;
- the releases of gasoline and diesel fuel at the plant site, which have adversely affected soil and may have adversely affected groundwater;
- groundwater at the warehouse site, which may have been adversely affected by releases of solvents when the building was used for textile manufacturing;



- the presence of gasoline constituents in a groundwater sample collected in 1994 from a monitoring well near the former location of the gasoline UST at the warehouse;
- the underground line that transfers fuel oil from the AST to the boiler room in the warehouse; and
- the presence of petroleum constituents in a groundwater sample collected at the adjacent Chatham Chevrolet site.

Concurrently with the Phase I ESA, Duncklee & Dunham sampled the six monitoring wells at the warehouse site on May 17, 2016. The laboratory did not detect petroleum constituents in the groundwater samples at concentrations that exceed the North Carolina groundwater quality standards promulgated in Title 15A, Subchapter 2L, Section .0202 of the North Carolina Administrative Code ("the 2L standards"). Based on these results, we do not consider the underground fuel oil line at the warehouse, the LUST at the adjacent Chatham Chevrolet, and the gasoline constituents detected in a groundwater sample collected in 1994 at the warehouse site to represent RECs.

Duncklee & Dunham collected soil samples from two probes advanced beneath the former location of the gasoline fuel line and dispensers at the plant site, where soil samples collected on behalf of the plant owner by Cohesion during UST closure had exhibited TPH at concentrations that exceeded the action level. Both of the soil samples we collected exhibited petroleum constituents at concentrations that exceeded NCDEQ's soil-to-groundwater MSCCs. Cohesion has sampled a monitoring well that was constructed in May 2016, but we do not have the results of testing that groundwater sample.

2 Introduction

2.1 Purpose

The purpose of this Phase I ESA is to evaluate commercial real estate with respect to the range of contaminants within the scope of CERCLA and petroleum products as required by the EPA's AAI final rule codified in 40 CFR Part 312, "Standards and Practices for All Appropriate Inquiries". ASTM International published E 1527-13, which is intended to fulfill the requirements of 40 CFR Part 312 and to assist the user in qualifying for the "bona fide prospective purchaser" liability protection pursuant to Sections 101(40) and 107(r) of the CERCLA and 40 CFR Section 312.1(b)(1)(ii). As defined in 42 USC § 9601(35) (B), the practice has been designed to satisfy the requirement for "appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice". E 1527-13 is consistent and compliant with the All Appropriate Inquiries final rule.

Appropriate inquiry includes the identification of RECs. E1527-13 defines an REC as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to a release to the environment, (2) under conditions indicative of a release to the environment, or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not RECs.



An evaluation of business environmental risk associated with a parcel of commercial real estate commonly necessitates an investigation of substances and/or materials that may be present and that may lead to contamination but does not meet CERCLA's definition of a hazardous substance. This evaluation is beyond the scope of work identified in E1527-13. The scope of work requested for this project is described in the following section.

2.2 Detailed Scope of Services

As requested by Beth Sise of Mountaire Farms of Delaware, Inc. (Mountaire), Duncklee & Dunham, P.C. (Duncklee & Dunham) conducted a Phase I ESA for the subject site. Duncklee & Dunham conducted the Phase I ESA tasks in general accordance with the requirements of E1527-13 and the AAI rule as follows:

- review of the public record, which included review of regulatory files at NCDEQ,
- on-site reconnaissance,
- interviews and data evaluation, and
- preparation of this report.

2.3 Significant Assumptions

Duncklee & Dunham did not make significant assumptions during this Phase I ESA.

2.4 Limitations and Exceptions

Our findings and opinions are relative to the date of our site work and should not be relied on to represent conditions on other dates. These opinions are based on information obtained during the study and our experience. If additional information becomes available which might change our conclusions, we request the opportunity to review the information, reassess the potential concerns, and modify our opinions, if warranted.

Although this assessment has attempted to identify the potential for environmental impacts to the subject sites, potential sources of contamination may have escaped detection due to (1) the limited scope of this assessment, (2) the inaccuracy of public records, (3) the presence of undetected or unreported environmental incidents, (4) inaccessible areas, (5) the ability of contaminants to migrate in the subsurface, and/or (6) deliberate concealment of detrimental information. We note that no environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a site. Performance of this practice is intended to reduce uncertainty regarding the potential for RECs concerning the subject site, recognizing that there are reasonable limits of time and cost.

The scope of work for a Phase I ESA is not intended to test for the presence of soil, groundwater or vapor-phase contamination or waste emplacement on the subject site. Such a determination would require subsurface exploration and sampling activities, which were beyond the scope of services for this Phase I ESA.

2.5 Special Terms/Conditions

The terms and conditions for our services are those in our contract with Mountaire dated April 29, 2016, which was accepted by Ms. Sise and others on May 2, 2016.



2.6 User-Reliance

The opinions in this report are solely for the benefit of Mountaire. Duncklee & Dunham makes no representation for its use by other third parties as a Phase I ESA. The viability of a Phase I ESA is presumed valid as specified in Sections 4.6 and 4.8 of E1527-13. The AAI rule states that reports older than one year cannot be used and that certain information in the report that is more than six months old must be updated.

3 Site Description

3.1 Location and Legal Description

The following two sites are the subject of this Phase I ESA:

- the former Townsend chicken-processing plant, located at 1101 East Third Street in Siler City, Chatham County, North Carolina. Chatham County identifies the site as parcel identification number (PIN) 8762-61-4507. The county website shows the parcel comprises 9.45 acres and is owned by Southeast Land Holdings LLC. The website shows the site is developed with a plant, offices, and laboratory of 21,080 heated square feet that were constructed in 1994; and
- the former Acme McCrary Warehouse, located at 1200 East Third Street in Siler City. Chatham County identifies the site as PIN 8762-61-0125. The county website shows the parcel comprises 13.74 acres and is owned by Chatham Warehouse Leasing LLC. The website shows the site is developed with a warehouse of 182,674 heated square feet that was constructed in 1955.

The location of the subject site is shown on Figures 1 and 2.

3.2 Site and Vicinity General Characteristics

The plant is developed with a two-story processing plant and several associated support buildings. Access to the site is from East Third Street. The warehouse is located across East Third Street from the plant and is developed with a former textile mill most recently used as a warehouse. Access to the site is from East Third and East Raleigh streets. The subject site is located approximately one-mile northeast of downtown Siler City. The area around the site is developed for commercial, industrial and residential uses.

3.3 Current Use of the Property

Both sites are currently unused.

3.4 Description of Structures, Roads, and Other Site Improvements

The buildings at the plant are constructed of tilt-up concrete panels, concrete block, and metal, and the office building is constructed with wood siding. The warehouse is constructed of brick. All were constructed slab on grade except the office building, which is constructed on footings.

Some of the parking lots and driveways are paved with asphalt, and the parking lots for trucks and trailers are gravel-covered. Some loading/offloading areas are paved with concrete.



The buildings are provided potable-water and sanitary-sewer services by the Town of Siler City, and electrical service by Duke Energy. The plant was provided natural-gas service by PSNC Energy, although the gas meter has been removed. Mr. Hendrick stated the plant used two water-supply wells as a source of production water for the plant. They had a third water-supply well constructed, but it did not produce enough water to make it worthwhile economically to complete the well, so it is capped and not used.

3.5 Current Uses of the Adjoining Properties

The plant site is bound to the north by East Eleventh Street (U.S. 64), across which is an Acme McCrary warehouse used to store ladies' hosiery and seamless apparel products; to the east by the Relax Inn motel; to the south by East Third Street, across which are the Hometown Cleaners building, an office building occupied by Realty World, and the former Acme McCrary warehouse; and on the west by Johnson Avenue, across which are mobile homes. The warehouse site is bound to the north by East Third Street, across which are the plant site, the Relax Inn motel, This 'N That thrift store, Valvoline Express Care, and a Star Petrol/Quick Way Mart gasoline station/convenience store; to the east by a building occupied by Alvarado Jewelry, In Soccer, and the Vera Gala special event venue; to the south by East Raleigh Street, across which are a single-family residence, undeveloped land, and a building occupied by Lynne's Fabrics; and to the west by an office building occupied by Realty World.

4 User-Provided Information

4.1 Title Records

Duncklee & Dunham was not provided with title records for the subject sites.

4.2 Environmental Liens or Activity and Use Limitations

Duncklee & Dunham conducted a search of the property deeds on the Chatham County website for environmental liens and AULs and did not find such records for either parcel. The most recent deeds are in Appendix A. John Wren of Mountaire completed a User Questionnaire for each parcel (Appendix B). He wrote that he was not aware of environmental liens and AULs.

4.3 Specialized Knowledge

Mr. Wren wrote in the User Questionnaire that he did not have specialized knowledge about the subject site.

4.4 Commonly Known or Reasonably Ascertainable Information

Mr. Wren wrote in the User Questionnaires that he knew about past uses of the subject site but did not provide other information about the uses of chemicals and environmental cleanups.



4.5 Valuation Reduction for Environmental Issues

Mr. Wren wrote in the User Questionnaires that the purchase price being paid for the parcels represents fair market value.

4.6 Owner, Property Manager, and Occupant Information

Mr. Gardner, a representative of Chatham Warehouse Leasing, wrote in the User Questionnaire that he was not aware of environmental liens, AULs, the past use of the warehouse site or nearby properties, or of information about past releases, spills, and cleanups at the warehouse site.

Ms. Standridge, a representative of Southeast Land Holdings, wrote in the User Questionnaire that she was aware of environmental liens for the site, but we think she misinterpreted that question because she wrote a comment about the ongoing UST closures at the plant site. She wrote that she was not aware of AULs, did not have specialized knowledge of the site or nearby sites, and had knowledge of information about releases at the site and the past use of the plant site. She is aware of cleanups that have taken place on the plant site, but did not provide additional information. She wrote she was not aware of indicators that point to the presence of contamination at the plant site. We note as responsible party for the USTs at the plant site, she is aware of the contamination that resulted from releases from that UST system.

4.7 Reason for Performing Phase I ESA

Mountaire may acquire the subject site.

5 Records Review

5.1 Standard Environmental Record Sources

EDR reviewed environmental lists published by federal and state agencies for sites that are contaminated or exhibit potential for contamination due to the generation or handling of hazardous materials and petroleum products. They reviewed these lists to identify sites within the search distances recommended in E1527-13. The EDR report is in Appendix C; maps in that report show the locations of the listed sites within these search distances. Copies of documents we reviewed in the regulatory files are in Appendix C.



5.1.1 *On-site*

EDR identified the plant site at 1101 East Third Street and the warehouse site at 1200 East Third Street on the following lists:

Site Name	Site Address	List
Townsonds Incorporated Silar City Plant	1101 East Third Street	FINDS
Townsends Incorporated Siler City Plant		ЕСНО
Townsends, Inc. – Siler City Plant		RMP
Townsends UST		LUST
Southeast Land Holdings, LLC		LUST
Southeast Land Holdings, LLC		UST
Glandala Hasiary Co	1200 Foot Thind Street	LUST, IMD
Glendale Hosiery Co.	1200 East Third Street	UST

The FINDS, ECHO, and RMP databases are not lists required to be reviewed for a Phase I ESA under E1527-13. These lists are not related to procedures or methods that could cause soil and groundwater contamination.

The following table summarizes the USTs registered to Southeast Land Holdings, owner of the plant site, for registration no. 00-0-0000032430:

Tank No.	Size (gallons)	Contents	Installed	UST Status
1	10,000	Gasoline, Gas Mix	02/20/1961	Current
2	10,000	Diesel	02/20/1961	Current

EDR shows the plant site on the LUST list. Duncklee & Dunham reviewed the regulatory file for this LUST at the Raleigh Regional Office of NCDEQ on May 11, 2016. Copies of documents from our review are in Appendix C. NCDENR prepared a Notice of Violation (NOV) addressed to Southeast Land Holdings and dated August 21, 2014, after a UST inspector from NCDENR visited the site on August 11, 2014 and observed USTs that were out of compliance with North Carolina's rules for USTs in Title 15A, Subchapter 2N of the North Carolina Administrative Code. Subsequently, Cohesion closed by removal the two registered USTs, underground fuel lines, and two dispensers on August 12-17, 2015. During closure, they discovered evidence of a release from the gasoline UST and excavated 411.93 tons of petroleum-contaminated soil from beneath this UST. This soil was transported off-site for remediation. Cohesion collected five soil samples on August 13 from the base of the excavation for the USTs at depths of 15 to 16 feet below land surface (bls), and collected two samples from the stockpile of contaminated soil. They collected eight soil samples beneath the locations of the fuel lines and dispensers after they were removed on August 17. The laboratory tested the samples collected beneath the gasoline UST, gasoline fuel line, and gasoline dispenser for TPH-GRO, and the soil samples collected beneath the diesel UST, diesel fuel line, and dispensers for TPH-DRO. We note that NCDENR's Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases specify testing soil samples at closure of diesel UST systems for both TPH-GRO and -DRO. Cohesion did not report groundwater had entered the UST pit during closure of the USTs.



Table 1 of Cohesion's 20 Day Report shows the three soil samples collected beneath the gasoline UST, one of the samples collected beneath the gasoline line, and the sample collected beneath the dispensers exhibited TPH-GRO at concentrations that exceeded NCDENR's action level of 10 mg/Kg. The sample beneath the dispensers also exhibited TPH-DRO at a concentration that exceeded the action level. NCDENR received this report on September 25, 2015 and requested preparation of an IAA report in a NoRR dated October 29, 2015. NCDENR sent a second NoRR that requested an IAA report dated January 29, 2016. Duncklee & Dunham discussed the site with Chris Boshoff of Cohesion, and he told us that NCDEQ had sent their client another NoRR in which they requested a Phase I LSA. The LSA will provide NCDEQ with the data they need to assign a risk to the site; this risk ranking will determine what further assessment or remediation is needed, if any, after the LSA. Cohesion began the LSA and constructed the monitoring well that is part of the LSA on May 20, 2016. The field geologist for Cohesion, Bill Gibson, told Duncklee & Dunham that this well encountered the water table at a depth between seven and eight feet bls. Thus, the soil samples Cohesion collected from the bases of the USTs during closure were below the water table. NCDEQ does not regulate contaminated soil beneath the water table.

The following table summarizes the USTs registered to Glendale Hosiery Co. (Glendale) at the warehouse site for registration no. 00-0-000011069:

Tank No.	Size (gallons)	Contents	Installed	UST Status
1	15,000	Diesel	03/09/1961	Removed 06/04/1991
2	15,000	Fuel Oil	03/09/1961	Removed 06/04/1991
3	1,000	Gasoline/gas mix	03/05/1976	Removed 10/01/1979
4	500	Fuel Oil	03/09/1961	Removed 05/01/1969

EDR shows Glendale on the LUST list and IMD. Duncklee & Dunham reviewed the regulatory file for this LUST at the Raleigh Regional Office of NCDEQ on May 11, 2016. This file contained one report titled Initial Groundwater Investigation, dated May 18, 1992 and prepared by ENSCI Corporation (ENSCI). This report included as an appendix a summary of the closures for the four registered USTs shown in the table above. ENSCI reported that the 15,000-gallon USTs floated due to a high water table and breached the asphalt surface. Glendale had ENSCI close all four USTs by removal on June 5 and 6, 1991. ENSCI had 3,000 gallons of contaminated groundwater vacuumed from the pit for the 15,000gallon USTs, and oversaw excavation of 201 tons of contaminated soil that were removed from the site for remediation. They noted they could not excavate all the contaminated soil without jeopardizing the integrity of the adjacent building. ENSCI did not observe holes in these USTs and speculated leakage occurred from the pipes in the top of the tanks, which may have been damaged when the USTs breached the surface. ENSCI observed several holes in the small fuel oil UST, and observed contaminated soil in that tank pit. They oversaw excavation of 5 cubic yards of contaminated soil that were removed from the site for remediation. As they had reported for the large USTs, ENSCI could not remove all of the contaminated soil without jeopardizing the integrity of the building adjacent to this UST. ENSCI did not observe holes in the gasoline UST or evidence of contaminated soil in the excavation. ENSCI recommended conducting additional assessment to delineate the lateral and vertical extent of contaminated soil for the other three USTs.



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ENSCI advanced soil borings to determine the extent of soil contamination in March/April 1992.

They collected one soil sample at a depth of five feet bls from five of the six borings and had the samples tested for TPH-GRO, TPH-DRO, and oil and grease. Three of the samples did not exhibit TPH or oil and grease, but the fourth sample from a boring adjacent to the small fuel oil UST exhibited TPH-DRO at a concentration of 35 mg/Kg, which exceeded the action level established by NCDEHNR of 10 mg/Kg, and the fifth sample from a boring adjacent to this UST exhibited oil and grease at a concentration of 490 mg/Kg, which exceeded the action level of 250 mg/Kg. ENSCI attributed the source of oil and grease in that sample to be naturally occurring organic material or a leak from a nearby sanitary-sewer pipe. NCDEHNR later ceased usage of the oil and grease test method.

The drilling contractor for ENSCI constructed monitoring wells in the three borings adjacent to the 15,000-gallon USTs and in the three borings adjacent to the 500-gallon diesel UST. ENSCI collected groundwater samples from each well on April 2, 1992 and had the samples tested in the laboratory for purgeable aromatic hydrocarbons plus total xylenes and for semi-volatile organic compounds. The laboratory did not detect petroleum constituents in the groundwater samples. ENSCI prepared a Site Sensitivity Evaluation for the contaminated soil they could not excavate. This form was used by NCDEHNR in the 1990's to establish alternate cleanup levels for a specific site. ENSCI reported the SSE showed that further remediation would not be required, and ENSCI did not recommend further action at the site. However, the regulatory file remains open.

The regulatory file contained an NOV from NCDEHNR dated January 22, 1992 and addressed to Glendale, and a reply from ENSCI dated February 28, 1992, in which they outlined the assessment planned for the site. The file also contained a letter to NCDEHNR from Jim Conner of Kennedy Covington Lobdell & Hickman, legal counsel for Glendale, dated November 9, 1994. This letter reported the results of sampling the six wells at the site in 1994. Mr. Conner reported that the groundwater sample from one of the wells near the gasoline UST exhibited benzene and ethylbenzene at concentrations that exceeded the North Carolina groundwater quality standards, and that the groundwater sample from one of the monitoring wells at the two large USTs exhibited aniline, for which a groundwater quality standard has not been established. Mr. Conner asked to be notified if NCDEHNR desired further action at the site. The regulatory file did not contain additional correspondence.

5.1.2 *Off-site*

EDR identified one site on the HSDS list within one mile of the subject site; two sites on the LAST list, 13 sites on the LUST list, 10 sites on the IMD, and one site on the drycleaners list within one-half mile of the site; and Fields Body Shop, formerly located on an adjoining property to the southwest, on the list of sites that formerly generated hazardous waste. EDR did not report violations of the hazardous waste rules for this site. NCDEQ has closed the regulatory file for seven of the ten sites on the LUST list and five of the sites on the IMD.



EDR identified four "orphan" sites within the search distances specified in E1527-13. Orphans are sites that EDR could not map due to poor or inadequate address information. A summary of these sites follows:

1. The following table summarizes the USTs registered to Five-Star, formerly located adjacent to the northwestern corner of the plant at 1212 East Eleventh Street, with registration no. 00-0-0000007115:

Tank No.	Size (gallons)	Contents	Installed	UST Status
1	3,000		05/09/1983	
2	6,000	Gasoline, Gas Mix	03/09/1963	Removed 02/21/1998
3	5,000	Gasonne, Gas Mix	05/12/1971	Kellioveu 02/21/1998
4	4,000		03/12/19/1	

Five-Star is also on the LUST list. The EDR Site ReportTM shows a petroleum release occurred at the site in January 1998 when the USTs were being removed, resulting in soil contamination. According to EDR, the risk-based corrective action is reported as "cleanups to alternate standards". NCDEQ closed the regulatory file for this release in July 2003.

- 2. Chatham Chevrolet Buick Pontiac, formerly located adjacent to the eastern side of the warehouse site, is on the LUST list. The EDR Site ReportTM shows a petroleum release occurred in October 2007 and references a Limited Phase II Environmental Assessment Report. Duncklee & Dunham reviewed the regulatory file for this site at the Raleigh Regional Office of NCDEQ on May 26, 2016. The file contained the referenced report, prepared by Environmental Investigations and dated August 27, 2008. This report summarized the excavation of contaminated soil adjacent to the service bays in the building. The soil samples collected after excavation did not exhibit volatile or semivolatile organic compounds at concentrations that exceeded the soil-to-groundwater MSCCs. A groundwater sample from a monitoring well constructed in the excavation exhibited benzene and cis-1,2-dichloroethene at concentrations that exceeded the groundwater quality standards. NCDENR sent an NOV dated March 9, 2009 to the responsible party after receiving this Phase II report. The regulatory file did not contain documents after the date of the NOV. The regulatory file remains open.
- 3. Quick Way Mart, located east of the site at 1322 East Eleventh Street, is on the LUST list. According to the EDR Site ReportTM, a Mr. Siler reported in August 2014 a "petroleum vapor smell" and "noticed fumes in the building" at his property located at 1314 East Eleventh Street (the present-day This N That Thrift Store). The fire chief and a representative from the company that supplies him natural gas assessed the site and determined that the fumes were more likely to be associated with petroleum or kerosene. Their assessment showed that the fumes were most intense in a former bathroom in the back of the building, which still had water and sewer conduits. A UST Inspector from NCDEQ visited the Quick Way site and noted "a few violations", which included the sump for the premium gasoline UST being full of water, as well as historic violations relating to product in diesel sumps, leaks at dispensers, and failed automatic tank gauge (ATG) tests. The Inspector reported that fuel pipes at the regular and premium gasoline dispensers were replaced in 2010. The Inspector alluded to a conversation with another Inspector in which the two USTs formerly present at the chicken-processing plant were mentioned as a "potential source". Duncklee & Dunham reviewed the regulatory file for this site at the Raleigh Regional Office of NCDEQ on May 26, 2016.



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A January 2015 Site Check Addendum, prepared by Geological Resources, showed the results of sampling two monitoring wells on the site. The samples from both wells exhibited numerous petroleum constituents at concentrations that exceed the groundwater quality standards. Geological Resources conducted an assessment for soil vapor adjacent to the building on the site and constructed and sampled three soil-vapor points. The vapor samples from these points did not exhibit petroleum constituents at concentrations that exceeded the soil gas screening levels established by NCDEQ. As a result, NCDEQ closed the regulatory file for the site and prepared a No Further Action letter dated April 5, 2016.

4. The Pantry 4658 DBA Park N Shop, located east of the site at 1516 East Eleventh Street, is on the LUST list. The EDR Site Report[™] shows a petroleum release occurred at the site in June 2014. According to EDR, the remediation is reported as "cleanups to alternate standards". NCDEQ closed the regulatory file for this release in January 2016.

5.2 Physical Setting Sources

The Siler City, N.C. topographic map (Figure 1) shows the elevation of the plant site is approximately 590 feet above mean sea level (msl) on the western side and slopes down to approximately 580 feet msl on the eastern side; the elevation on the warehouse site is approximately 580 feet msl on the eastern side and slopes down to approximately 560 feet msl on the southwestern side. Based on review of the topographic map, we expect groundwater in the surficial aquifer beneath the plant flows to the east-southeast, and groundwater in the surficial aquifer beneath the warehouse flows to the west-southwest.

The *Geologic Map of North Carolina* shows the site is underlain by metamudstone and meta-argillite of the Carolina Slate Belt. The *Soil Survey of Chatham County* shows the following soil types at the subject site:

- Georgeville-Urban land complex, well drained, 2 to 10 percent slopes, depth to the seasonal high water table of more than 80 inches; found in interfluves;
- Nanford-Badin complex, 2 to 6 percent slopes, well drained, depth to the seasonal high water table at a depth of more than 80 inches, found in interfluves; and
- Cid-Lignum complex, 2 to 6 percent slopes, moderately well drained, depth to the seasonal high water table is 12 to 30 inches, found in interfluves.

FEMA map 37037C shows the site is not located in a flood hazard area. The National Wetlands Inventory map does not show potential wetlands on the subject site.

5.3 Historical Use Information on the Property

Duncklee & Dunham reviewed historical aerial photographs (Appendix D), historical topographic maps (Appendix E), and city directories (Appendix F) to establish the history of the site. The subject site is unmapped on Sanborn Fire Insurance Maps (Appendix G).

The aerial photographs from 1961 show the plant and warehouse present on the subject site. Aerial photographs from 1965 through 1993 show additions to the buildings on the subject site. Topographic maps from 1969 and 1988 show the site developed with the plant and warehouse. The aerial photographs after 1993 do not show additional changes to the site.



The city directories show the following listings for the subject site:

Year	1101 East Third Street (plant)	1200 East Third Street (warehouse)
1992	N	o listing
1995	180	o fisting
1999	No listing	Glendale Hosiery Company
2003	Townsend Inc	Glendale Group Ltd
		Occupant Unknown
		Phantom Glendale Inc
2008	No listing	Acme McCrary Corp
		Glendale Hosiery Co
		Phantom USA
2013	No listing	Glendale Hosiery Outlet Store

5.4 Historical Use Information on Adjoining Properties

The aerial photographs from 1961 show East Eleventh Street to the north of the plant, across which is an Acme McCrary warehouse, and East Third Street to the north of the warehouse, across which are three parcels developed with at least one building on each, and a fourth parcel that is undeveloped. The resolution of aerial photographs from 1973 through 1983 is of a poor quality. The aerial photograph from 1983 shows development on all four parcels of land on the northern side of East Third Street, including the site presently occupied by the Star Petro gasoline station. City directories do not show listings for these addresses. The former Five-Star gasoline station located at 1212 East Eleventh Street, adjacent to the plant site, is present in the aerial photograph from 1983. The remaining aerial photographs do not show additional changes.

The aerial photograph from 1961 shows the adjacent property to the east is undeveloped, wooded land. Aerial photographs from at least 1973 show this parcel developed for commercial/retail uses. City directories do not show listings for these addresses.

The aerial photograph from 1961 shows adjoining properties to the south, across East Raleigh Street, developed primarily for agricultural and residential uses. The building presently occupied by Lynne's Fabrics is present in this aerial photograph. We could not determine from the aerial photographs when the land changed from agriculture to undeveloped. Aerial photographs show that the parcel currently occupied by Realty World was wooded, undeveloped land until sometime between 1993 and 1999, when a single building is shown on that site.

The aerial photograph from 1961 show the adjoining properties to the west as wooded, undeveloped land, which changed between 1965 and 1973. The aerial photographs from 1973 and 1980 show some wooded areas had been cleared, with a road and mobile homes present from 1983. The aerial photographs from 1961 and 1965 show adjoining parcels presently occupied by Star Imports and Hometown Cleaners (dry cleaner; 901 East Third Street) were developed sometime between 1961 and 1965. The city directories show Fields Body occupied the parcel presently occupied by Star Imports from 1995 to 2013.



6 Site Reconnaissance

6.1 Methodology and Limiting Conditions

Rick Kolb and Russell Molyneux of Duncklee & Dunham conducted the site visit on May 9, 2016. We were met at the site by Beth Sise and John Wren of Mountaire; Jim Hendrick, who was the Plant Engineer when the Townsend plant was in operation; and Scott Harris of Harris Realty & Auction, the broker for the transaction. Weather conditions at the time of the site visit were overcast and mild. Photographs of pertinent site features observed during the site visit are in Appendix H, and field notes are in Appendix I.

6.2 General Site Setting

The subject site is located approximately one-mile northeast of downtown Siler City in an area developed primarily for commercial uses. The site is accessible from East Eleventh, East Third, and East Raleigh streets. The plant site is developed with the remnants of a chicken-processing plant (Photograph No. 1) and prefabricated mobile office units (Photograph No. 2), and the warehouse site is developed with the warehouse building (Photograph No. 3) and a wastewater-retention pond (Photograph No. 4) that had been used by the textile mill formerly at the site. The subject site is bound:

- to the north by a closed gasoline station (Photograph No. 5) and East Eleventh Street, across which is an Acme McCrary warehouse (Photograph No. 6), and by East Third Street, across which are the Relax Inn motel (Photograph No. 7), This N That thrift store, Valvoline Express Care (Photograph No. 8), and a Star Petrol/Quick Way Mart gasoline station/convenience store (Photograph No. 9);
- to the east by a building occupied by Alvarado Jewelry #2, In Soccer, and the Vera Gala special event venue (Photograph No. 10);
- to the south by Hometown Cleaners (Photograph No. 11); by East Third Street, across which are Star Imports car repair (Photograph No. 12) and an office building occupied by Realty World (Photograph No. 13); and by East Raleigh Street, across which are a single-family residence, undeveloped land, and a building occupied by Lynne's Fabrics (Photograph No. 14); and
- to the west by Johnson Avenue, across which are mobile homes.

6.3 Exterior Observations

6.3.1 Plant Site

The plant site is developed with the shell of a chicken-processing building (Photograph No. 15) and includes several accessory buildings, some connected to the plant and some detached, including the former maintenance building (Photograph No. 16), and an office building. Most of the plant machinery has been removed from the plant. We observed piles of building debris in several areas on the site (Photograph Nos. 17-20). An AST with a capacity of 1.6 million gallons of water had formerly been located on the northwestern corner of the plant site. It has been removed, leaving only a pad. Mr. Hendrick stated this AST was part of the treatment system for process water, and had contained an aerator to help reduce biochemical oxygen demand of the production water. The water-treatment system also included dissolved air floatation systems before and after treatment in this AST.



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We observed stains on the concrete pads adjacent to the maintenance building. One of the stains originated from a 5-gallon bucket of an oily liquid, and the second stain originated from an AST that had been used to store ferrous sulfate. We also observed what appeared to be stains of hydraulic fluid at the freight elevator on the southern side of the plant (Photograph No. 21). We observed other ASTs that were labelled for the storage of hypochlorite, bisulfate, and sodium chloride (Photograph Nos. 22-24).

Mr. Hendricks showed us the locations of two USTs used to store chicken offal on the eastern side of the plant (Photograph No. 25). He stated each tank is constructed of concrete, has a diameter of six feet, and is buried 12 feet deep. One tank was used for feathers and one tank used to store chicken guts. These tanks were emptied by trucks that parked over the tanks and used an auger system to transfer the parts into the trucks.

Mr. Hendricks showed us the locations of two water-supply wells on the western side of the site. Two of the wells are covered by manhole covers labeled "sanitary sewer" (Photograph No. 26), but the third well was not covered and never completed for use. This well protruded from the surface and was covered with a PVC cap. A stick-built office building, a trailer used to store paper records, and a roll-off box filled with debris are on the southwestern side of the site.

Duncklee & Dunham observed the former locations of gasoline and diesel fuel USTs and fuel dispensers on the southern side of the maintenance building. Subsequent to our site visit, Cohesion began a Phase I Limited Site Assessment at the gasoline UST and constructed and sampled a monitoring well.

We observed three pad-mounted transformers and two pole-mounted transformers on the plant site. Two of the pad transformers were marked non-PCB, but the third pad-mounted transformer and both pole-mounted transformers were not marked to indicate the PCB status of the dielectric fluid in the transformers. A transformer is considered PCB-contaminated until testing proves otherwise. According to TSCA, a non-PCB transformer is one that contacts 0-50 parts per million PCBs in the dielectric fluid of the transformer, and a PCB-contaminated transformer is one that contains 50-500 parts per million PCBs in the dielectric fluid. We did not observe evidence of leakage on the transformer casings.

6.3.2 Warehouse Site

The warehouse faces East Third Street (Photograph No. 27) but primary access to the building and the asphalt-paved parking lot is from East Raleigh Street to the south (Photograph No. 28). We observed an AST for fire water, an AST used to store fuel oil for the boilers, a propane AST, and a transformer on the grade above the warehouse on the northeastern side of the building (Photograph No. 29). The transformer was marked non-PCB. Below the water tank at the building level we observed the former location of the two large USTs used to store fuel oil for the boilers, the covers for three monitoring wells (Photograph No. 30), and the possible locations of the fuel and return lines from the existing fuel-oil AST to the boilers. As referenced in Section 4.1, ENSCI closed these USTs by removal in 1991. We observed two sets of fuel and return lines that entered the boiler room (Photograph No. 31), and we assume were used by the removed USTs, though one may now be used to transfer fuel oil from the AST to the boilers -- we did not observe the location of the fuel line from the AST to the boiler room. We observed covers for the three monitoring wells ENSCI had constructed in 1991 adjacent to the 500-gallon diesel UST on the southwestern side of the plant (Photograph Nos. 32 and 33).



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We observed two subsurface vertical structures constructed with corrugated metal adjacent to the southwestern side of the building (Photograph No. 34). We expect these structures held pumps that directed wastewater to the wastewater pond. The pond did not contain water.

6.4 Interior Observations

6.4.1 Plant site

The interior of the plant was mostly vacant. The electricity had been turned off to the plant, so our opportunities for photographs were limited. Duncklee & Dunham observed an area covered with a canopy where the chickens were unloaded from trucks (Photograph No. 35). We observed the adjacent scalding room and a warehouse, both fitted with floor drains (Photograph Nos. 36 and 37). Mr. Hendricks stated wastewater from plant operations flowed to a 100,000-gallon tank for pretreatment; this tank had been removed by the time of our site visit. He said the liquids that collected in the floor trenches flowed to the offal USTs.

A building plan we observed on the second floor shows the floor was built out with offices, a conference room, a cafeteria with employee lockers, a supply room, a USDA inspection room, and restrooms. All the rooms were unfurnished during our site visit.

The maintenance building contained various parts (Photograph No. 38). We observed a metal cabinet with one- and five-gallon buckets of undetermined liquids, but the black stains on the cabinet and on the floor beneath the cabinet (Photograph No. 39) suggest products with organic chemicals may have been stored in or used near the container. Mr. Hendricks stated the small, empty room on the western side of the building had been used formerly as a laboratory (Photograph No. 40).

6.4.2 Warehouse Site

The warehouse had been emptied of furnishings (Photograph Nos. 41 and 42). We observed floor drains in several rooms of the warehouse (Photograph Nos. 43 and 44); two air compressors, one of which exhibited evidence of leakage of hydraulic fluid (Photograph No. 45); two boilers (Photograph Nos. 46 and 47), and four drums of boiler chemicals (Photograph No. 48). The walls and ceilings of the plant had been painted, and paint chips had fallen onto the floor throughout the plant (Photograph No. 49). Overhead pipes were wrapped with insulation (Photograph No. 50). Duncklee & Dunham is conducting surveys of the warehouse building for asbestos-containing building materials and lead-based paint. A report of our findings will be sent under separate cover.

We observed the office areas of the warehouse (Photograph No. 51). Typically the offices were carpeted. We observed some offices and administrative areas where the carpet had been installed over floor tile (Photograph No. 52). We observed what may be mold on the wall of one of the offices (Photograph No. 53). Leaks from the roof allow water to enter the office area and may induce the growth of mold.

We observed ballasts for fluorescent lights in one of the rooms of the building (Photograph No. 54). Fluorescent light ballasts may contain PCBs.



7 Interviews

7.1 Interview with Owners

As referenced in Section 4.6, the two owners of the subject site completed User Questionnaires for their respective sites and did not identify environmental concerns other than those already cited in this report.

7.2 Interview with Site Manager

The subject site is unoccupied and does not have managers.

7.3 Interviews with Occupants

The subject site is unoccupied. Duncklee & Dunham was accompanied on the site visit by Mr. Hendrick, a former plant engineer, who provided information about activities at that site.

7.4 Interviews with Local Government Officials

Duncklee & Dunham contacted the Siler City Fire Department to inquire about responses to fires or releases of hazardous substances or petroleum products on the subject site. Fire Marshal Charlie McLaurin could not recall any responses to fires or spills of petroleum or hazardous chemicals at the subject site (Appendix I).

8 Findings

- Live chickens were processed at the plant in the past. A variety of chemicals were used at the plant in the processing of chickens and were stored in ASTs.
- Releases of gasoline and diesel fuel have been documented at the plant site. Additional assessment for these releases is ongoing.
- Textiles were manufactured at the warehouse site in the past.
- The plant site is on the LUST list due to a release of petroleum from the UST system. Cohesion closed the UST system, and soil samples collected beneath the former location of the gasoline UST, the gasoline fuel line, and gasoline dispenser exhibited TPH-GRO at concentrations that exceeded NCDEQ's action level of 10 mg/Kg. Cohesion excavated over 400 tons of contaminated soil from the tank pit but could not excavate soil that exhibited TPH-GRO at concentrations that exceeded the action level from beneath the gasoline line and dispensers. Cohesion is conducting a Phase I LSA and has constructed and sampled a monitoring well adjacent to the gasoline UST.
- The warehouse site is on the LUST list due to a release of fuel oil and diesel fuel from UST systems. ENSCI closed the UST systems and excavated over 200 tons of contaminated soil from the UST basins but could not excavate all the contaminated soil without jeopardizing the structural integrity of the adjacent buildings. Therefore, they constructed and sampled six monitoring wells adjacent to the UST systems, and the groundwater samples from these wells did not exhibit petroleum constituents. ENSCI did not recommend further assessment.



- EDR identified one site on the NC HSDS list within one mile of the subject site; two sites on the LAST list, 13 sites on the LUST list, and 10 sites on the IMD within one-half mile of the site; and the adjoining Hometown Cleaners on the list of dry cleaners and former Fields Body Shop on the RCRA NonGen/NLR list. NCDEQ has closed the regulatory file for seven of the sites on the LUST list and five of the sites on the IMD. Duncklee & Dunham identified four sites on EDR's orphan list within the search distances specified in E1527-13. We reviewed regulatory files for two of these sites that are topographically upgradient of the subject site. While EDR showed the Quick Way Mart/Star Petrol LUST site as active, the regulatory file shows NCDEQ has closed it. The regulatory file for the formerly adjacent Chatham Chevrolet site contained a report that showed a groundwater sample collected from a monitoring well at that site in 2008 exhibited two VOCs at concentrations that exceed the groundwater quality standards. This regulatory file is still active.
- An underground fuel line connects the AST to the boiler room and probably was constructed when the USTs were closed in 1991.
- Duncklee & Dunham observed stains on the floors and equipment at both the plant and warehouse sites

9 Opinions

- Groundwater beneath the plant site may have been adversely by releases of chemicals used to process chickens and to maintain mechanical equipment. We consider this past use to represent an REC.
- The releases of gasoline and diesel fuel have adversely affected soil at the plant site. We consider this release to represent an REC.
- Textile plants routinely use solvents for cleaning and maintenance. Based on our experience at other textile plants, we consider the past use of the warehouse site for textile manufacturing to represent an REC.
- ENSCI reported that all the contaminated soil could not be excavated when they closed the USTs at the warehouse site. However, groundwater samples from wells adjacent to the UST basins did not exhibit petroleum constituents, which suggests the remaining contaminated soil has not adversely affected groundwater. We consider the presence of gasoline constituents in groundwater near the former location of the gasoline UST to represent an REC.
- Duncklee & Dunham does not consider most of the listed sites to represent RECs to the subject because the releases on these lists are topographically downgradient or crossgradient of the subject site, are in drainage basins different from the subject site, or the regulatory files for these incidents have been closed. Groundwater beneath the former Chatham Chevrolet site exhibited petroleum constituents at concentrations that exceeded the groundwater quality standard. Groundwater beneath this site may flow towards the warehouse and could adversely affect groundwater beneath it.
- The underground fuel line between the AST and the boiler room at the warehouse may have leaked fuel oil. We consider this line to represent an REC.
- Duncklee & Dunham considers the stains on the floors and equipment at the subject site to represent a de minimis condition within the context of E1527-13.



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10 Conclusions

We have conducted a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E1527-13 of the property located at the Former Townsend Plant and Acme McCrary Warehouse in Siler City. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. Duncklee & Dunham did not identify evidence of recognized environmental conditions in connection with the subject site except for the following:

- groundwater beneath the plant site, which may have been adversely by releases of chemicals used to to maintain mechanical equipment;
- the releases of gasoline and diesel fuel at the plant site, which have adversely affected soil and may have adversely affected groundwater;
- groundwater at the warehouse site, which may have been adversely affected by releases of solvents when the building was used for textile manufacturing;
- the presence of gasoline constituents in a groundwater sample collected in 1994 from a monitoring well near the former location of the gasoline UST at the warehouse;
- the underground line that transfers fuel oil from the AST to the boiler room in the warehouse; and
- the presence of petroleum constituents in a groundwater sample collected at the adjacent Chatham Chevrolet site.

11 Deviations

Duncklee & Dunham did not deviate from E1527-13.

12 Additional Assessments

12.1 Warehouse Site

Duncklee & Dunham sampled the six monitoring wells at the warehouse at the site on May 17, 2016 (Figure 2). We re-developed each of the wells and discharged the purge water and silt to a drum. This drum and its contents will be disposed of off-site upon receipt of the laboratory test results. We used low-flow peristaltic and submersible pumps equipped with new polyethylene tubing to purge and withdraw samples from each well, and a bailer to sample three of the wells. We discharged the groundwater samples from the well tubing or bailer into laboratory-supplied containers, labeled the containers, placed the containers in a cooler with ice, and sent the cooler under chain of custody to a courier for ESC Lab Sciences (ESC). The courier sent the cooler by overnight express mail under chain of custody to their laboratory in Mt. Juliet, Tennessee. ESC tested the groundwater samples for VOCs according to SM6200B, base-neutral SVOCs according to EPA Method 625, and VPH and EPH according to the MADEP methods. These are the methods recommended by NCDEQ for releases of gasoline, diesel fuel, and no. 6 fuel oil from USTs.



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The laboratory test results are summarized on Table 1 in Appendix K. ESC's report is in Appendix K. ESC detected acrolein, dichlorodifluoromethane, bis(2-ethylhexyl)phthalate, di-n-butyl phthalate, di-n-octyl phthalate, and MADEP fractions C5-C8 Aliphatics, C9-C18 Aliphatics, C19-C36 Aliphatics, and C9-C22 Aromatics at concentrations between the method detection limits and laboratory reporting limits. Therefore, these concentrations are estimates. The concentrations detected do not exceed the 2L standards. The shallow depth to the water table in the wells on the eastern side of the warehouse and the absence of petroleum constituents in the groundwater samples collected from these wells provide evidence that the fuel line between the AST and the boiler room has not leaked fuel oil to the subsurface, and that the gasoline UST formerly at the warehouse has not adversely affected groundwater at the warehouse site. Based on these results, we do not consider the underground fuel line and the past release of gasoline to represent RECs.

The three wells on the eastern side of the warehouse are downgradient of the adjacent Chatham Chevrolet LUST site. The test results from these three wells show contaminants at the Chatham Chevrolet site have not adversely affected groundwater at the warehouse site. Based on these results, we do not consider the release at Chatham Chevrolet to represent an REC to the subject site.

12.2 Plant Site

Cohesion's 20 Day Report shows they tested their soil samples at closure of the UST systems for only TPH. NCDEQ guidance specifies testing soil for TPH-GRO and -DRO for releases of diesel fuels/no. 2 fuel oil. When TPH results exceed NCDEQ's action level of 10 mg/Kg, the soil sample that exhibits this exceedance is to be tested for the risk-based test methods -- VOCs and MADEP VPH for releases of gasoline, and VOCs, SVOCs, MADEP VPH and EPH for releases of diesel fuel/no. 2 fuel oil. These additional tests allow NCDEQ to determine what further assessment, if any, is necessary. NCDEQ requested a Phase I LSA because Cohesion had not tested the soil samples by these additional methods. Duncklee & Dunham proposed to collect soil samples at the locations where Cohesion's samples had exhibited TPH at concentrations that exceed this action level and test the soil samples by the risk-based methods.

Troxler Geologic Services (Troxler), under contract to Duncklee & Dunham, mobilized to the site on May 20, 2016. Troxler used a Geoprobe® to advance five soil probes (S-3A, S-4A, S-5A, S-9A, and S-13A) at the locations of Cohesion's borings S-3, S-4, S-5, S-9, and S-13, respectively (Figure 2). Troxler advanced S-3A, S-4A, and S-5A through the backfill at the former location of the gasoline UST and collected samples of undisturbed soil at a depth of 16 feet bls. Troxler advanced S-9A at the former location of the gasoline line to a depth of 12 feet bls, and S-13A at the former location of the gasoline and diesel dispensers to a depth of 16 feet bls. We screened soil samples from each probe with a photoionization detector (PID) to test for the presence of VOCs.



The following table summarizes the PID results:

Probe	Depth of Sample	PID reading
	(feet bls)	(ppm)
S-3A	16	1,246
S-4A	16	398
S-5A	16	1,365
	0-4	150
S-9A	4-8	5.2
	8-12	1.4
	0-4	101
S-13A	4-8	25.8
3-13A	8-12	26.6
	12-16	21.7

Concurrent with our soil assessment, Cohesion's drilling contractor, Quantex, advanced a boring in which to construct a monitoring well as part of the Phase I LSA Cohesion was conducting for the owner of the plant site. Cohesion's contracting geologist, Bill Gibson, told us he had Quantex terminate the boring for this well at 32 feet bls, and had them construct the well with 15 feet of well screen and 17 feet of riser. Quantex completed the well as we were advancing the probes at the fuel line and dispenser. Mr. Gibson allowed the well to sit for an hour to allow the water level to equilibrate as we finished our soil sampling, and then he developed the well. He told us the water level had risen to between 7 and 8 feet bls. Thus, the top of the well screen was below the water table. We note the shallow depth to the water table in this well is similar to the shallow depths to the water table we encountered when we sampled the six wells at the warehouse site.

Due to the shallow depth to the water table in Cohesion's well, Duncklee & Dunham did not submit the three samples from S-3A, S-4A, and S-5A, collected beneath the water table, to the laboratory because NCDEQ does not regulate contaminants in soil below the water table. The shallowest soil samples from S-9A and S-13A were collected from above the water table, so we submitted these two samples to the laboratory. We placed these soil samples in laboratory-supplied containers, labeled the containers, and placed the containers in a cooler with ice. We placed the soil cuttings from the borings into a drum for disposal because NCDEQ does not allow use of contaminated cuttings as backfill for the borings. Troxler backfilled the five probes to the surface with bentonite chips.

We returned to the office and delivered the cooler under chain-of-custody to the courier for ESC Lab Sciences (ESC). The courier sent the cooler by overnight express mail under chain of custody to their laboratory in Mt. Lebanon, Tennessee. ESC tested the soil samples for VOCs according to EPA Method 8260B, base-neutral, semi-volatile organic compounds according to EPA Method 8270D, and VPH and EPH according to the MADEP methods.

The laboratory test results are summarized in Table 2 in Appendix K, and ESC's report is in Appendix K. Each of the soil samples exhibited two MADEP fractions at concentrations that exceed the soil-to-groundwater MSCC, and the sample from S-9A also exhibited two VOCs at concentrations that exceeded the North Carolina MSCCs.



Report of Phase I Environmental Site Assessment Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina June 1, 2016 Page 22 of 22

In summary, the RECs that remain at the subject site are related to past uses of solvents at both the plant and the textile mill later used as a warehouse, and petroleum constituents related to the release of gasoline and diesel fuel from the UST systems at the plant site.

13 References

- 40 Code of Federal Regulations Part 312, Standards and Practices for All Appropriate Inquiries; Final Rule.
- 42 United States Code §9601 *et seq*, Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA) and Small Business Liability Relief and Brownfields Revitalization Act of 2002 (Brownfields Amendments).
- 42 United States Code §9601 et seq, Resource Conservation and Recovery Act as amended.

FEMA, 2007, FIRM Panel 3710876200J, 37037C.

Geologic Map of North Carolina, 1985, North Carolina Department of Natural Resources and Community Development, Division of Land Resources.

Siler City, N.C. topographic quadrangle, USGS, 2013.

Soil Survey of Chatham County, North Carolina, United States Department of Agriculture, Natural Resources Conservation Service, reviewed on-line at http://websoilsurvey.nrcs.usda.gov.

Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process: ASTM International Designation E1527-13, West Conshohocken, Pennsylvania, November 2013.

14 Qualifications of Environmental Professional

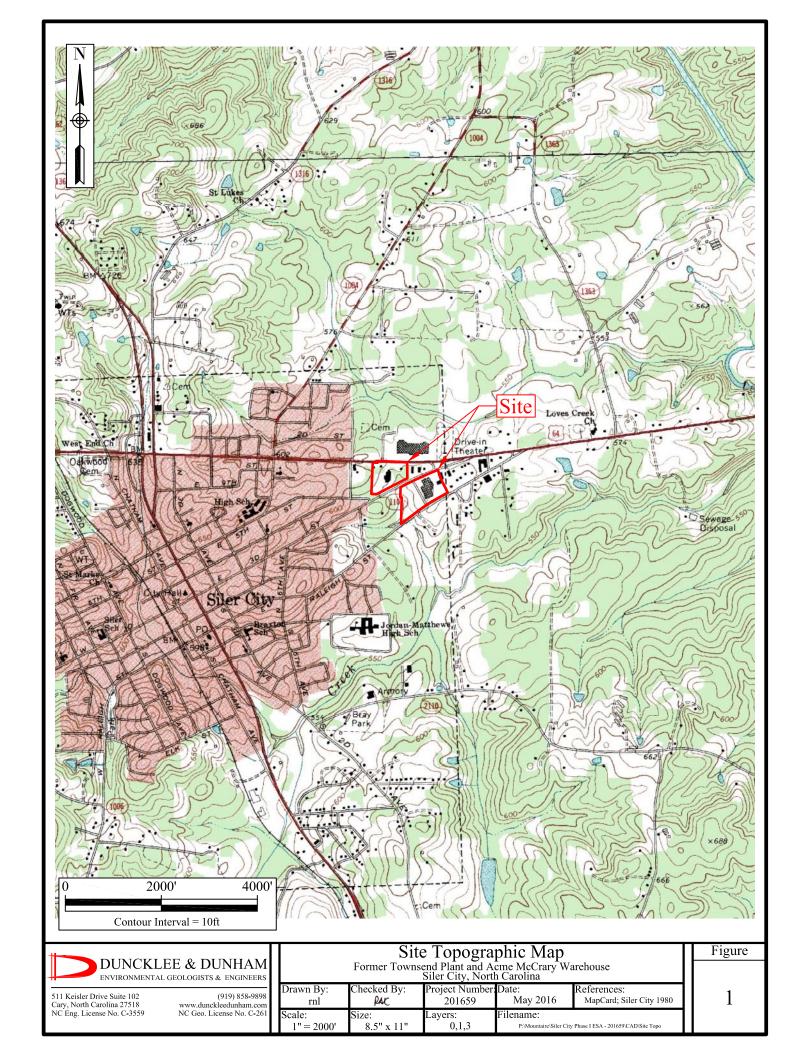
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. The resume for Mr. Kolb is in Appendix J.

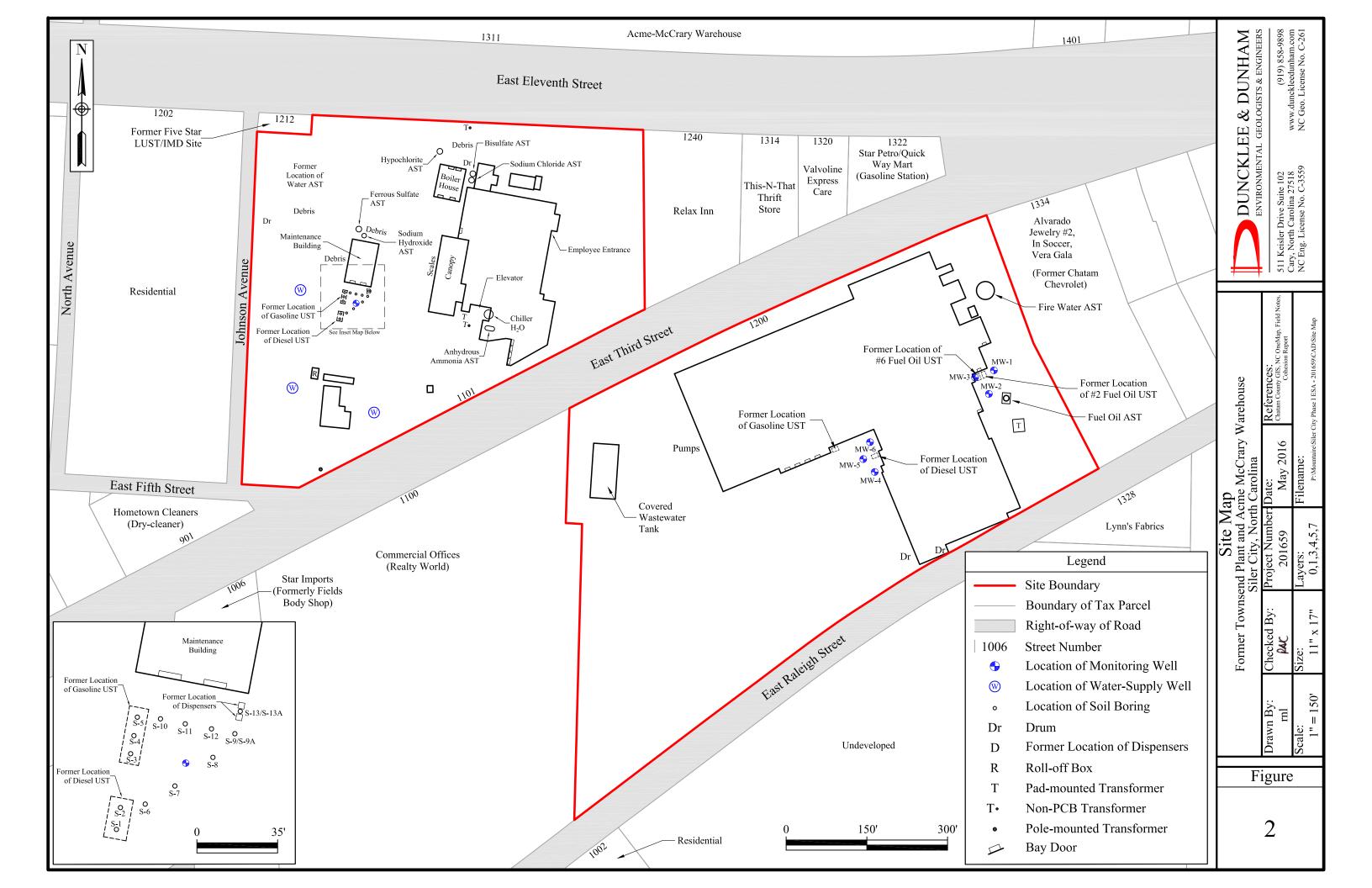
Richard A. Kolb, L.G.

Richard A. Kell



Figures





Appendix A

FILED
CHATHAM COUNTY NC
TREVA B. SEAGROVES
REGISTER OF DEEDS

 REGISTER OF DEEDS

 FILED
 Feb 29, 2012

 AT
 12:22:12 pm

 BOOK
 01607

 START PAGE
 1130

 END PAGE
 1132

 INSTRUMENT #
 02038

 EXCISE TAX
 \$300.00

BOOK 1607 PAGE 1130

NORTH CAROLINA GENERAL WARRANTY DEED

Prepared By: Attorney Charles H. Gardner

GLF File # 10279-12

Return to: Gardner Law Firm, PLLC - P.O. Box 715, Hope Mills, NC 28348

Insured By: Investors Title Revenue Stamps: \$300.00 Tax PIN: _0016852.

Brief Description for Index: 12.989 Acres Matthews Township

This DEED, made on February 27, 2012, by and between:

GRANTOR A.W. Schmidt, Jr. & Associates, a New York General Partnership	GRANTEE Chatham Warehouse Leasing, LLC, a North Carolina Limited Liability Company
7150 Bryan Dairy Road	P.O. Box 64076
Largo, FL 33777	Fayetteville, NC 28306

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the Town of Siler City, Matthews Township, Chatham County, North Carolina and more particularly described as follows:

For legal description, see Exhibit A, attached to and made a part hereof.

For history of title, see deeds recorded in Book 317, Page 119; Book 346, Page 493; and Book 873, Page 276, Chatham County Registry.

All or a portion of the property herein conveyed does not include the primary residence of a Grantor.

BOOK 1607 PAGE 1131

TO HAVE AND TO HOLD the aforesaid lot or parcel of land all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever, other than the following exceptions hereinafter stated, if any.

Title to the property hereinabove described is subject to the following exceptions:

- a. County and/or Municipal Zoning Ordinances, Rules and Regulations.
- b. Restrictive Covenants, Easements, and Rights of Way of record
- c. Ad Valorem Taxes for current and all subsequent years

IN WITNESS WHEREOF, the Grantor has duly executed the foregoing as of the day and year first above written.

A.W. Schmidt, Jr. & Associates

By:

Arthur W. Schmidt, III, General Partner

STATE OF Forda COUNTY OF Pipellas

I, the undersigned Notary Public of the County and State aforesaid, certify that Arthur W. Schmidt, III, General Partner of A.W. Schmidt, Jr. & Associates, personally appeared before me this day and acknowledged the execution of the foregoing instrument for the purposes therein expressed. Witness my hand and Notarial stamp or seal on this date: Fcb 77017

My COMMISSION # DDP936628

EXPIRES October 25, 2013

Florida Notary Public Signature

Tulicanne P. VanAllen-Schmidt

Printed Name of Notary Public

My Commission Expires: 10 - 35, 70 3

BOOK 1607 PAGE 1132

Exhibit A - to be attached to a made a part of that certain General Warranty Deed dated February 27, 2012 executed by A.W. Schmidt, Jr. & Associates to Chatham Warehouse Leasing, LLC.

Being all of that certain tract or parcel of land lying and being in Siler City, Matthews Township, Chatham County, North Carolina, being more particularly described as follows:

BEGINNING at an OLD IRON SPIKE in the NORTHEASTERLY corner of that certain parcel of land owned by Townsend, Inc., now or formerly, as shown in Plat Book 87, Slide 177 and referenced in Deed Book 511, Page 480, as recorded in the Chatham County Registry, said OLD IRON SPIKE being in the SOUTHERLY MARGIN of EAST THIRD STREET EXTENSION (SR 1107) (100' R/W); thence following said SOUTHERLY MARGIN of EAST THIRD STREET EXTENSION, N 66-20-24 E, 170.23 feet; thence along a curve in a CLOCKWISE direction, said curve having a radius of 5679.578 feet, an arc length of 673.82 feet, and a chord bearing and distance of N 69-42-24 E, 673.46 feet to an OLD IRON SPIKE, said OLD IRON SPIKE being in the NORTHWESTERLY corner of that certain parcel of land owned by Henry G. and Lynda D. Smith, now or formerly, as referenced in Deed Book 685, Page 903, in the Chatham County Registry, said OLD IRON SPIKE also being located S 5-43-06 W, 229.55 feet from an OLD NAIL in the INTERSECTION of SR 1107 and US 64; thence along the WESTERLY margin of said Smith property S 17-01-44 E, 258.26 feet to an OLD IRON SPIKE, thence continuing with said margin S 24-53-14 E, 260.22 feet to an OLD IRON SPIKE lying in the NORTHERLY MARGIN of EAST RALEIGH STREET EXTENSION (SR 2103) (60' R/W): thence following said NORTHERLY RIGHT OF WAY LINE of EAST RALEIGH STREET EXTENSION (SR 2103) seven (7) calls as follows: (1) S 64-20-12 W, 270.00 feet to an OLD IRON SPIKE; (2) S 64-26-12 W, 5.86 feet to a point; (3) S 63-47-18 W, 106.53 feet to a point; (4) S 61-53-06 W, 112.59 feet to a point; (5) S 59-21-37 W, 113.10 feet to a point; (6) S 57-18-13 W, 106.47 feet to a point; and (7) S 56-38-19 W, 452.49 feet to an OLD IRON SPIKE, said OLD IRON SPIKE lying N 5-14-54 E, 39.85 feet from an OLD P.K. NAIL in the CENTERLINE of EAST RALEIGH STREET EXTENSION (SR 2103) (60' R/W); thence with the EASTERLY margin of the above referenced Townsend, Inc. property N 5-01-53 E, 545.71 feet to an OLD IRON SPIKE, thence N 83-48-38 W, 31.08 feet to an OLD IRON SPIKE; thence N 5-44-40 E, 215.07 feet to an OLD IRON SPIKE, said OLD IRON SPIKE being the POINT AND PLACE OF THE BEGINNING, and containing 12.989 acres more or less, and being all of that certain property more particularly shown and delineated on that certain survey entitled "BOUNDARY AND TOPO SURVEY FOR PHANTOM INDUSTRIES, INC.," prepared by Archie F. Norwood, Jr., R.L.S., dated April 30, 2001, reference to which survey is made for a more particular description.

AND including the following parcel of property, which may or may not be within the above referenced 12.989 acres:

To locate the beginning point, begin at an existing iron pin in the Northern right-of-way line of Raleigh Street (Old N.C. Highway 90) in the property line of Frank Justice, and proceed along said Northern right-of-way line S 62-10-10 W, 151.64 feet to a new iron pin at the point of beginning; thence S 62-10-10 W, 118.37 feet to an iron pin; thence S 59-57-00 W, 108.94 feet to an iron pin; thence N 20-47-00 W, 65.51 feet to an iron pin; thence N 69-13-00 E, 198.10 feet to a point; thence N 20-47-00 W, 10.00 feet to a point; thence N 69-13-00 E, 26.95 feet to a point; thence S 20-47-00 E, 43.47 feet to the point of beginning.

Divider Page



FILED CHATHAM COUNTY NC TREVA B. SEAGROVES REGISTER OF DEEDS

FILED Nov 19, 2013

AT 09:59:57 am

BOOK 01719

START PAGE 0043 END PAGE 0045

INSTRUMENT# 13319

EXCISE TAX \$170.00

BOOK 1719 PAGE 0043

NORTH CAROLINA SPECIAL WARRANTY DEED

Excise Tax: 5 1 70.00				
Parcel Identifier No. CO61441 By:		County on the	day of	, 20
Mail/Box to: Grantee				
This instrument was prepared by: Andre	w Slawter, Esq., Bradsha	w & Robinson, LLP, P.O.	Box 607. Pittsboro.	NC 27312
Brief description for the Index: Parcel 00	<u>061441</u>			
THIS DEED made this 15th day of Nove	ember, 2013, by and between	een		
GRANTOR		GRA	ANTEE	
OM-NC, LLC, a Delaware limited liability company 731 Sansome St., 2nd Floor San Francisco, CA 94111		SOUTHEAST LAND a North Carolina limited 1521 Sulpher Springs F Shelby, NC 28152	d liability company	
Enter in appropriate block for each Grant corporation or partnership.	tor and Grantee: name, ma	 iling address, and, if approp	riate, character of en	tity, e.g.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all those certain lots or parcels of land located in Matthews Township, in Chatham County, North Carolina and more particularly described as follows:

See "Exhibit A," a copy of which is attached hereto and incorporated herein by reference, for the legal description.



BOOK 1719 PAGE 0044

The property hereinabove described was acquired by Grantor by instrument recorded in Book <u>1704</u>, Page <u>403</u>, Chatham County Registry.

All or a portion of the property herein conveyed____includes or XX does not include the primary residence of a Grantor.

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor has done nothing to impair such title as Grantor received, and Grantor will warrant and defend the title against the lawful claims of all persons claiming by, under or through Grantor, other than the following exceptions: Easements, restrictions and rights of way of record, governmental regulations, and ad valorem taxes for the current year.

IN WITNESS WHEREOF, the Grantor has duly executed the foregoing as of the day and year first above written.

OM-NC, LLC, a Delaware limited liability company

y: Rabin Worldwide, Inc., Manager

By:

Michael Bank, Vice President and

Authorized Signatory

State of California - County and City of San Francisco

On <u>MOVerables</u>, 2013, before me, Irina Okun, Notary Public, personally appeared MICHAEL BANK, Vice President and Authorized Signatory, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my



Signature

My Commission Expires:

BOOK 1719 PAGE 0045

EXHIBIT A

SILER CITY PROCESSING PLANT

FIRST TRACT: All that tract of land containing 8.936 acres more or less, and lying and being in the Town of Siler City, Matthews Township, Chatham County, North Carolina and bounded on the North by U.S. Highway 64 and Billy J. Siler, on the East by W.F. Collins (now or formerly), on the South by E. Third Street and E. Fifth Street, and on the West by Jonathan Johnson, and more particularly described as follows:

BEGINNING at an existing iron pipe, a corner in Jonathan Johnson; thence with Johnson's line and the Line of Billy J. Siler South 82 degrees 08 minutes 03 seconds East 113.56 feet to an existing iron pipe; thence continuing with Siler North 05 degrees 16 minutes 11 seconds East 35.56 feet to a nail in a concrete pad, the Southern right of way line of U.S. Highway 64; thence with the right of way line of U.S. Highway 64 South 83 degrees 07 minutes 36 seconds East 606.41 feet (passing through two iron pipes) to an iron pipe, the Northeast corner of Collins; thence with Collins' line South 04 degrees 06 minutes 23 seconds West 129.05 feet to an iron pipe; thence continuing with Collins' line South 04 degrees 04 minutes 38 seconds West 201.36 feet to an existing iron pipe in the Northern right of way line of E. Third Street; thence with the right of way line of E. Third Street South 65 degrees 32 minutes 47 seconds West 35.88 feet to an iron pipe; thence continuing with the right of way line of E. Third Street South 66 degrees 49 minutes 27 seconds West 690.94 feet (passing through one iron pipe) to an existing iron pipe; thence North 82 degrees 17 minutes 41 seconds West 105.33 feet to a railroad spike set in the Northern right of way line of E. Fifth Street (formerly Hannah Street) and being the Southeast corner of Jonathan Johnson; thence North 06 degrees 47 minutes 23 seconds East 659.55 feet to the point and place of BEGINNING, all as shown on the plat entitled "Siler City Processing Plat, Townsends, Inc." dated October 23, 1991 by Van R. Finch - Land Surveys, P.A.

Appendix B



ENVIRONMENTAL GEOLOGISTS & ENGINEERS

511 KEISLER DRIVE – SUITE 102 CARY, NORTH CAROLINA 27518 OFFICE: (919) 858–9898 WWW.DUNCKLEEDUNHAM.COM

PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

Introduction:

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfield Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Sit	e Infori	nation:
Na	те:	Former Townsend Plant
Lo	cation:	Siler City, North Carolina
1.	Are yo	onmental cleanup liens that are filed or recorded against the site (CFR 312.25) ou aware of any environmental cleanup liens against the property that are filed or recorded federal, tribal, state or local law? yes or no If yes, please explain.
2.	in a re Are yo or inst	ty and land use limitations that are in place on the site or that have been filed or recorded egistry (40 CFR 312.26) but aware of any activity and use limitations, such as engineering controls, land use restrictions ditutional controls that are in place at the site and/or have been filed or recorded in a registry federal, tribal, state or local law? The place on the site or that have been filed or recorded in a registry federal, tribal, state or local law? The place on the site or that have been filed or recorded in a registry federal, tribal, state or local law?
3.	Liabil As the	alized knowledge or experience of the person seeking to qualify for the Landowner ity Protections (40 CFR 312.28) e user of this Phase I, do you have any specialized knowledge or experience related to the rty or nearby properties? yes or no If yes, please explain.
	adjoin	ou involved in the same line of business as the current or former occupants of the property or an ing property so that you would have specialized knowledge of the chemicals and processes by the business? yes or no If yes, please explain.

4.	Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)
	Does the purchase price being paid for this property reasonably reflect the fair market value of the property? yes or no If you concluded that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the
	property? yes or no If yes, please explain.
5.	Commonly known or reasonably ascertainable information about the property (40 CFR 312.30) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a release or threatened release? yes or no For example, as user:
	• Do you know the past uses of the property? yes or no If yes, please explain.
	• Do you know of specific chemicals that are present or once were present at the property? yes or no If yes, please explain.
	• Do you know of spills or other chemical releases that have taken place at the property? yes or no If yes, please explain.
	• Do you know of any environmental cleanups that have taken place at the property? yes or no If yes, please explain.
6.	The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31) As the user of this Phase I, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? yes or no If yes, please explain.
	SEE UST REMOVAL REPORT



7.	Do you know of 1) any pending, threatened, or past litigation relevant to hazardous substances
	or petroleum products in, on, or from the property; 2) any pending, threatened, or past
	administrative proceedings relevant to hazardous substances or petroleum products in, on or
	from the property, and 3) any notices from any governmental entity regarding any possible
	violation of environmental laws or possible liability relating to hazardous substances or
	petroleum products? yes or no If yes, please explain.

- 8. Do you know if copies of any of the following exist, and if so, can you provide copies to Duncklee & Dunham?
 - Environmental site assessment reports
 - Environmental compliance audit reports
 - Environmental permits
 - Registrations for underground and aboveground storage tanks
 - Registration for underground injection systems
 - Material safety data sheets
 - Community right-to-know plan plans or reports
 - Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans
 - Reports regarding hydrogeologic conditions on the property or surrounding area
 - Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to property or relating to environmental liens encumbering the property
 - Hazardous waste generator notices or reports
 - Geotechnical studies
 - Risk assessments
 - Recorded activity and use limitations

igned/Date

Drintad Nama

Please Circle One:

Property Owner; Former Property Owner; Potential Buyer of Property; Real Estate Agent; Other (if other, please explain)





ENVIRONMENTAL GEOLOGISTS & ENGINEERS

511 KEISLER DRIVE – SUITE 102 CARY, NORTH CAROLINA 27518 OFFICE: (919) 858–9898 WWW.DUNCKLEEDUNHAM.COM

PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

Introduction:

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfield Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Sit	e Inforr	nation:
Na	те:	Acme McCrary Warehouse
Loc	cation:	Siler City, North Carolina
1.	Are yo	onmental cleanup liens that are filed or recorded against the site (CFR 312.25) on aware of any environmental cleanup liens against the property that are filed or recorded federal, tribal, state or local law? yes or no If yes, please explain.
2.	in a re Are yo or inst	ty and land use limitations that are in place on the site or that have been filed or recorded gistry (40 CFR 312.26) but aware of any activity and use limitations, such as engineering controls, land use restrictions itutional controls that are in place at the site and/or have been filed or recorded in a registry federal, tribal, state or local law? yes or no If yes, please explain.
3.	Liabil As the	dized knowledge or experience of the person seeking to qualify for the Landowner ity Protections (40 CFR 312.28) e user of this Phase I, do you have any specialized knowledge or experience related to the try or nearby properties? yes or no If yes, please explain.
	adjoin	ou involved in the same line of business as the current or former occupants of the property or an ing property so that you would have specialized knowledge of the chemicals and processes by the business? yes or no If yes, please explain.

4.	Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? yes or no If you concluded that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? yes or no If yes, please explain.
5.	Commonly known or reasonably ascertainable information about the property (40 CFR 312.30) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a release or threatened release? yes or no For example, as user: • Do you know the past uses of the property? yes or no If yes, please explain.
	• Do you know of specific chemicals that are present or once were present at the property? yes or no If yes, please explain.
	• Do you know of spills or other chemical releases that have taken place at the property? yes or no If yes, please explain.
	 Do you know of any environmental cleanups that have taken place at the property? yes or no If yes, please explain.
6.	The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31) As the user of this Phase I, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? yes or no If yes, please explain. MONITORING WELLS ON THE PROPERTY



- 7. Do you know of 1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; 2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property, and 3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? yes or no If yes, please explain.
- 8. Do you know if copies of any of the following exist, and if so, can you provide copies to Duncklee & Dunham?
 - Environmental site assessment reports
 - Environmental compliance audit reports
 - Environmental permits
 - Registrations for underground and aboveground storage tanks
 - Registration for underground injection systems
 - Material safety data sheets
 - Community right-to-know plan plans or reports
 - Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans
 - Reports regarding hydrogeologic conditions on the property or surrounding area
 - Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to property or relating to environmental liens encumbering the property
 - Hazardous waste generator notices or reports
 - Geotechnical studies
 - Risk assessments
 - Recorded activity and use limitations

<u>JSF Ww 05/0</u>3/16 Signed/Date

Printed Name

Please Circle One:

Property Owner; Former Property Owner; Potential Buyer of Property, Real Estate Agent; Other (if other, please explain)



Divider Page



ENVIRONMENTAL GEOLOGISTS & ENGINEERS
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PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

Introduction:

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfield Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

S	ite Infori	nation:
λ	lame:	Former Townsend Plant
L	ocation:	Siler City, North Carolina
1.	4	u aware of any environmental cleanup liens against the property that are filed or recorded ederal, tribal, state or local law? yes or no If yes, please explain.
	We	duq up two tanks and have a test well being dug
2.	Activity in a reg Are you	y and land use limitations that are in place on the site or that have been filed or recorded cistry (40 CFR 312.26) a aware of any activity and use limitations, such as engineering controls, land use restrictions autional controls that are in place at the site and/or have been filed or recorded in a registry ederal, tribal, state or local law? yes or for If yes, please explain.
3.	Liability As the	zed knowledge or experience of the person seeking to qualify for the Landowner y Protections (40 CFR 312.28) user of this Phase I, do you have any specialized knowledge or experience related to the or nearby properties? yes or for If yes, please explain.
	adioining	involved in the same line of business as the current or former occupants of the property or an g property so that you would have specialized knowledge of the chemicals and processes the business? yes or for If yes, please explain.

•	A. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? yes or no If you concluded that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? yes or no If yes, please explain.
5	Are you aware of commonly known or reasonably ascertainable information about the property (40 CFR 312.30) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a release or threatened release? — yes or — no For example, as user: — Do you know the past uses of the property? — yes or — no If yes, please explain.
	• Do you know of specific chemicals that are present or once were present at the property? yes or no If yes, please explain.
	• Do you know of spills or other chemical releases that have taken place at the property? yes or no If yes, please explain.
	Do you know of any environmental cleanups that have taken place at the property? yes or no If yes, please explain.
6.	The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31) As the user of this Phase I, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? yes or



7.	Do you know of 1) any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property; 2) any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the property, and 3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? Yes or No If yes, please explain.
8.	Do you know if copies of any of the following exist, and if so, can you provide copies to Duncklee & Dunham? • Environmental site assessment reports — Coh esion is doing this regard. • Environmental compliance audit reports NO • Registrations for underground and aboveground storage tanks NO, dug there of Registration for underground injection systems—NO • Material safety data sheets NO • Community right-to-know plan plans or reports NO • Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans NO • Reports regarding hydrogeologic conditions on the property or surrounding area NO • Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to property or relating to environmental liens encumbering the property NO • Hazardous waste generator notices or reports NO • Geotechnical studies NO • Risk assessments NO • Recorded activity and use limitations NO
	Signed/Date Please Circle One: Property Owner; Former Property Owner; Potential Buyer of Property; Real Estate Agent; Other
	(if other, please explain) I have a notice at home where I wis Contacted about tank removal. I will

Divider Page



ENVIRONMENTAL GEOLOGISTS & ENGINEERS

511 KEISLER DRIVE – SUITE 102 CARY, NORTH CAROLINA 27518 OFFICE: (919) 858–9898 WWW.DUNCKLEEDUNHAM.COM

PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

Introduction:

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfield Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Site	Inform	nation:
Nar	ne:	Acme McCrary Warehouse
Loc	ation:	Siler City, North Carolina
1.	Are yo	onmental cleanup liens that are filed or recorded against the site (CFR 312.25) ou aware of any environmental cleanup liens against the property that are filed or recorded federal, tribal, state or local law? yes or no If yes, please explain.
2.	in a re Are yo or inst	ty and land use limitations that are in place on the site or that have been filed or recorded gistry (40 CFR 312.26) The aware of any activity and use limitations, such as engineering controls, land use restrictions itutional controls that are in place at the site and/or have been filed or recorded in a registry federal, tribal, state or local law? The place on the site or that have been filed or recorded in a registry for the place at the site and/or have been filed or recorded in a registry federal, tribal, state or local law? The place on the site or that have been filed or recorded in a registry for the place at the site and/or have been filed or recorded in a registry federal, tribal, state or local law?
3.	Liabili As the	lized knowledge or experience of the person seeking to qualify for the Landowner ity Protections (40 CFR 312.28) E user of this Phase I, do you have any specialized knowledge or experience related to the try or nearby properties? yes or no If yes, please explain.
	adjoini	bu involved in the same line of business as the current or former occupants of the property or aring property so that you would have specialized knowledge of the chemicals and processes by the business? yes or no If yes, please explain.

4.	Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? yes or no If you concluded that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? yes or no If yes, please explain.
5.	Commonly known or reasonably ascertainable information about the property (40 CFR 312.30) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of a release or threatened release? yes or no For example, as user: • Do you know the past uses of the property? yes or no If yes, please explain.
	• Do you know of specific chemicals that are present or once were present at the property? yes or no If yes, please explain.
	• Do you know of spills or other chemical releases that have taken place at the property? yes or no If yes, please explain.
	• Do you know of any environmental cleanups that have taken place at the property? yes or no If yes, please explain.
6.	The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31) As the user of this Phase I, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? yes or no If yes, please explain.



7.	Do you know of 1) any pending, threatened, or past litigation relevant to hazardous substances
	or petroleum products in, on, or from the property; 2) any pending, threatened, or past
	administrative proceedings relevant to hazardous substances or petroleum products in, on or
	from the property, and 3) any notices from any governmental entity regarding any possible
	violation of environmental laws or possible liability relating to hazardous substances or
	petroleum products? yes or no If yes, please explain.

- 8. Do you know if copies of any of the following exist, and if so, can you provide copies to Duncklee & Dunham?
 - Environmental site assessment reports
 - Environmental compliance audit reports
 - Environmental permits
 - Registrations for underground and aboveground storage tanks
 - Registration for underground injection systems
 - Material safety data sheets
 - Community right-to-know plan plans or reports
 - Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans
 - Reports regarding hydrogeologic conditions on the property or surrounding area
 - Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to property or relating to environmental liens encumbering the property
 - Hazardous waste generator notices or reports
 - Geotechnical studies
 - Risk assessments
 - Recorded activity and use limitations

NONE KNOWN 7 Al 5-25-2016 Charles T. Gardner

Printed Name

Please Circle One:

Property Owner; Former Property Owner; Potential Buyer of Property; Real Estate Agent; Other (if other, please explain)



Appendix C

Former Townsend Plant

1101 East Third Street Siler City, NC 27344

Inquiry Number: 04611581.2r

May 06, 2016

The EDR Radius Map™ Report with GeoCheck®

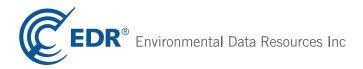


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Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1101 EAST THIRD STREET SILER CITY, NC 27344

COORDINATES

Latitude (North): 35.7318550 - 35° 43' 54.67" Longitude (West): 79.4501550 - 79° 27' 0.55"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 640163.9 UTM Y (Meters): 3955115.5

Elevation: 603 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5945587 SILER CITY, NC

Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120531 Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 1101 EAST THIRD STREET SILER CITY, NC 27344

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TOWNSENDS INCORPORAT		FINDS, ECHO		TP
A2	TOWNSENDS, INC SI	1101 EAST THIRD STRE	RMP		TP
A3	TOWNSENDS UST	1101 E. THIRD ST	LUST		TP
A4	SOUTHEAST LAND HOLDI	1101 E. THIRD STREET	LUST		TP
A5	SOUTHEAST LAND HOLDI	1101 EAST THIRD STRE	UST		TP
Reg	HARRELSON RUBBER COM		NC HSDS	Same	5033, 0.953, SW
B6	TANK AND TUMMY #3 (Q	1322 E 11TH ST (US 6	LUST	Higher	1 ft.
B7	FIVE STAR	1212 E. 11TH ST.	IMD	Higher	16, 0.003, NW
8	GLENDALE HOSIERY CO.	1200 EAST THIRD STRE	LUST, UST, IMD	Lower	37, 0.007, East
9	SILER CITY CHEVROLET	1402 EST 11TH STREET	LAST	Lower	94, 0.018, East
C10		1066 E 3RD ST	EDR Hist Auto	Higher	145, 0.027, SSW
C11	FIELDS BODY SHOP	1006 E 3RD ST	RCRA NonGen / NLR	Higher	187, 0.035, SW
C12		1006 E 3RD ST	EDR Hist Auto	Higher	187, 0.035, SW
C13	HOMETOWN CLEANERS	901 E 3RD ST	DRYCLEANERS	Higher	282, 0.053, SW
D14	NC DOT - SILER CITY	1404 EAST RALEIGH ST	LUST, UST	Lower	323, 0.061, East
D15	NC DOT-CHATHAM CO.MA	1404 EAST RALEIGH ST	IMD	Lower	323, 0.061, East
D16	NC DOT-SILER CITY (1	1404 EAST RALEIGH ST	IMD	Lower	323, 0.061, East
D17	NCDOT-SILER CITY	1404 EAST RALEIGH ST	LUST TRUST, IMD	Lower	323, 0.061, East
18	TANK AND TUMMY #3	HWY 64 AND 3RD STREE	IMD	Lower	462, 0.087, ENE
E19	QUALITY MOLDED PRODU	920 E. RALEIGH ST.	UST	Lower	538, 0.102, South
E20	ENGINEERED PLASTIC C	920 E RALEIGH ST	RCRA-SQG	Lower	538, 0.102, South
21		819 E 3RD ST	EDR Hist Auto	Lower	625, 0.118, SW
F22	GREENVIEW INC.	1516 EAST THIRD STRE	LUST, IMD	Lower	1114, 0.211, East
F23	CVS PHARMACY #4297	1506 EAST 11TH STREE	RCRA-LQG	Lower	1131, 0.214, ENE
F24	CIRCLE K 2724660	1513 EAST 11TH STREE	UST, Financial Assurance	Lower	1154, 0.219, ENE
25	BAKER LIMESTONE, INC	HIGHWAY 64	LUST, UST, IMD	Higher	1332, 0.252, WNW
26	FIELDS, RUTH RENTAL	618 E. 4TH STREET	LAST, LUST, IMD	Higher	1453, 0.275, WSW
27	FEDERMAN PROPERTY, K	721 E. RALEIGH STREE	LUST, LUST TRUST	Higher	1717, 0.325, SSW
28	STOVALL'S MINI MART	801 E. 11TH STREET	LUST, IMD	Higher	1785, 0.338, WNW
29	CHATHAM COUNTY HEALT	1105 E. CARDINAL STR	LUST, IMD	Lower	1791, 0.339, South
30	HIGDON RESIDENTIAL U	604 E RALEIGH ST	LUST, LUST TRUST	Higher	2542, 0.481, SW

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
TOWNSENDS INCORPORAT 1101 EAST 3RD STREET	FINDS Registry ID:: 110000543626	N/A
SILER CITY, NC 27344	ECHO	
TOWNSENDS, INC SI 1101 EAST THIRD STRE SILER CITY, NC 27344	RMP	N/A
TOWNSENDS UST 1101 E. THIRD ST SILER CITY, NC 27344	LUST Incident Number: 39846 Current Status: File Located in House	N/A
SOUTHEAST LAND HOLDI 1101 E. THIRD STREET SILER CITY, NC 27344	LUST Incident Number: 39838 Current Status: File Located in House	N/A
SOUTHEAST LAND HOLDI 1101 EAST THIRD STRE SILER CITY, NC 27344	UST Tank Status: Current Facility Id: 00-0-0000032430	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list	
	Federal Facility Site Information listing Superfund Enterprise Management System
Federal CERCLIS NFRAP sit	te list
SEMS-ARCHIVE	Superfund Enterprise Management System Archive
Federal RCRA CORRACTS f	acilities list
CORRACTS	Corrective Action Report
Federal RCRA non-CORRAC	CTS TSD facilities list
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Federal RCRA generators lis	st
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
Federal institutional control	s / engineering controls registries
LUCIS	Land Use Control Information System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
Federal ERNS list	
ERNS	Emergency Response Notification System
State- and tribal - equivalent	CERCLIS
SHWS	Inactive Hazardous Sites Inventory
State and tribal landfill and/o	or solid waste disposal site lists
SWF/LF	
OLI	Old Landfill Inventory
State and tribal leaking store	age tank lists
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
State and tribal registered s	torage tank lists
FEMA UST	Underground Storage Tank Listing
ASTINDIAN UST	Underground Storage Tanks on Indian Land
State and tribal institutional	control / engineering control registries
INST CONTROL	No Further Action Sites With Land Use Restrictions Monitoring
	·
State and tribal voluntary cle	-
INDIAN VCP	Voluntary Cleanup Priority Listing

VCP......Responsible Party Voluntary Action Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Projects Inventory

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF..... Solid Waste Facility Listing SWRCY...... Recycling Center Listing

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands

ODI..... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS_____ Hazardous Materials Information Reporting System SPILLS..... Spills Incident Listing

SPILLS 90...... SPILLS 90 data from FirstSearch SPILLS 80 SPILLS 80 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites DOD...... Department of Defense Sites

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION.......... 2020 Corrective Action Program List

ROD...... Records Of Decision

RAATS...... RCRA Administrative Action Tracking System

PRP...... Potentially Responsible Parties PADS..... PCB Activity Database System

ICIS..... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

US MINES..... Mines Master Index File COAL ASH..... Coal Ash Disposal Sites

Financial Assurance Financial Assurance Information Listing NPDES NPDES Facility Location Listing UIC Underground Injection Wells Listing FUELS PROGRAM EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants EDR Hist Cleaner.... EDR Exclusive Historic Dry Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
CVS PHARMACY #4297	1506 EAST 11TH STREE	ENE 1/8 - 1/4 (0.214 mi.)	F23	71

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ENGINEERED PLASTIC C	920 E RALEIGH ST	S 0 - 1/8 (0.102 mi.)	E20	63

State- and tribal - equivalent NPL

NC HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 08/09/2011 has revealed that there is 1 NC HSDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HARRELSON RUBBER COM		SW 1/2 - 1 (0.953 mi.)	0	35

State and tribal leaking storage tank lists

LAST: A listing of leaking aboveground storage tank site locations.

A review of the LAST list, as provided by EDR, and dated 02/05/2016 has revealed that there are 2

LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIELDS, RUTH RENTAL Incident Number: 14424 Current Status: C	618 E. 4TH STREET	WSW 1/4 - 1/2 (0.275 mi.)	26	82
Lower Elevation	Address	Direction / Distance	Map ID	Page
SILER CITY CHEVROLET Incident Number: 87978 Current Status: C	1402 EST 11TH STREET	E 0 - 1/8 (0.018 mi.)	9	43

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 02/05/2016 has revealed that there are 10 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TANK AND TUMMY #3 (Q Incident Phase: Closed Out Incident Number: 16359 Current Status: File Located in Archives	1322 E 11TH ST (US 6	0 - 1/8 (0.000 mi.)	B6	35
BAKER LIMESTONE, INC Incident Phase: Closed Out Incident Number: 16161 Current Status: File Located in Archives	HIGHWAY 64	WNW 1/4 - 1/2 (0.252 mi.)	25	78
FIELDS, RUTH RENTAL Incident Phase: Response Incident Number: 14424 Current Status: File Located in House	618 E. 4TH STREET	WSW 1/4 - 1/2 (0.275 mi.)	26	82
FEDERMAN PROPERTY, K Incident Phase: Closed Out Incident Number: 39467 Current Status: File Located in House	721 E. RALEIGH STREE	SSW 1/4 - 1/2 (0.325 mi.)	27	87
STOVALL'S MINI MART Incident Phase: Closed Out Incident Number: 24266 Current Status: File Located in House	801 E. 11TH STREET	WNW 1/4 - 1/2 (0.338 mi.)	28	89
HIGDON RESIDENTIAL U Incident Phase: Closed Out Incident Number: 33792 Current Status: File Located in Archives	604 E RALEIGH ST	SW 1/4 - 1/2 (0.481 mi.)	30	94
Lower Elevation	Address	Direction / Distance	Map ID	Page
GLENDALE HOSIERY CO. Incident Phase: Response Incident Number: 10572	1200 EAST THIRD STRE	E 0 - 1/8 (0.007 mi.)	8	38

Current Status: File Located in House				
NC DOT - SILER CITY Incident Phase: Response Incident Phase: Closed Out Incident Number: 14972 Incident Number: 33027 Incident Number: 8014 Current Status: File Located in Archives Current Status: File Located in House	1404 EAST RALEIGH ST	E 0 - 1/8 (0.061 mi.)	D14	48
GREENVIEW INC. Incident Phase: Closed Out Incident Number: 21903 Current Status: File Located in Archives	1516 EAST THIRD STRE	E 1/8 - 1/4 (0.211 mi.)	F22	68
CHATHAM COUNTY HEALT Incident Phase: Closed Out Incident Number: 22008 Current Status: File Located in Archives	1105 E. CARDINAL STR	S 1/4 - 1/2 (0.339 mi.)	29	91

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 01/08/2016 has revealed that there are 3 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FEDERMAN PROPERTY, K Site ID: 39467	721 E. RALEIGH STREE	SSW 1/4 - 1/2 (0.325 mi.)	27	87
HIGDON RESIDENTIAL U Site ID: 33792	604 E RALEIGH ST	SW 1/4 - 1/2 (0.481 mi.)	30	94
Lower Elevation	Address	Direction / Distance	Map ID	Page
NCDOT-SILER CITY Site ID: 14972	1404 EAST RALEIGH ST	E 0 - 1/8 (0.061 mi.)	D17	60

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 02/05/2016 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GLENDALE HOSIERY CO. Tank Status: Removed Facility Id: 00-0-0000011069	1200 EAST THIRD STRE	E 0 - 1/8 (0.007 mi.)	8	38
NC DOT - SILER CITY	1404 EAST RALEIGH ST	E 0 - 1/8 (0.061 mi.)	D14	48

Tank Status: Removed Tank Status: Current Facility Id: 00-0-0000025558 QUALITY MOLDED PRODU 920 E. RALEIGH ST. S 0 - 1/8 (0.102 mi.) E19 62 Tank Status: Removed Facility Id: 00-0-0000007997 **CIRCLE K 2724660** 1513 EAST 11TH STREE ENE 1/8 - 1/4 (0.219 mi.) F24 77 Tank Status: Current Facility Id: 00-0-000035689

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 11 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Higher Elevation Address		Map ID	Page	
FIVE STAR Facility Id: 22508	1212 E. 11TH ST.	NW 0 - 1/8 (0.003 mi.)	B7	37	
BAKER LIMESTONE, INC Facility Id: 16161	HIGHWAY 64	WNW 1/4 - 1/2 (0.252 mi.)	25	78	
FIELDS, RUTH RENTAL Facility Id: 14424	618 E. 4TH STREET	WSW 1/4 - 1/2 (0.275 mi.)	26	82	
STOVALL'S MINI MART Facility Id: 24266	801 E. 11TH STREET	WNW 1/4 - 1/2 (0.338 mi.)	28	89	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
GLENDALE HOSIERY CO. Facility Id: 10572	1200 EAST THIRD STRE	E 0 - 1/8 (0.007 mi.)	8	38	
NC DOT-CHATHAM CO.MA Facility Id: 14972	1404 EAST RALEIGH ST	E 0 - 1/8 (0.061 mi.)	D15	58	
NC DOT-SILER CITY (1 Facility Id: 8014	1404 EAST RALEIGH ST	E 0 - 1/8 (0.061 mi.)	D16	59	
NCDOT-SILER CITY Facility Id: 33027	1404 EAST RALEIGH ST	E 0 - 1/8 (0.061 mi.)	D17	60	
TANK AND TUMMY #3 Facility Id: 16359	HWY 64 AND 3RD STREE	ENE 0 - 1/8 (0.087 mi.)	18	61	
GREENVIEW INC. Facility Id: 21903	1516 EAST THIRD STRE	E 1/8 - 1/4 (0.211 mi.)	F22	68	
CHATHAM COUNTY HEALT Facility Id: 22008	1105 E. CARDINAL STR	S 1/4 - 1/2 (0.339 mi.)	29	91	

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIELDS BODY SHOP	1006 E 3RD ST	SW 0 - 1/8 (0.035 mi.)	C11	45

DRYCLEANERS: Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

A review of the DRYCLEANERS list, as provided by EDR, and dated 03/02/2015 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page	
HOMETOWN CLEANERS	901 E 3RD ST	SW 0 - 1/8 (0.053 mi.)	C13	48	
Facility Id: 190002C					

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 3 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Page		
Not reported Not reported	1066 E 3RD ST 1006 E 3RD ST	SSW 0 - 1/8 (0.027 mi.) SW 0 - 1/8 (0.035 mi.)	C10 C12	45 47	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
Not reported	819 E 3RD ST	SW 0 - 1/8 (0.118 mi.)	21	68	

Due to poor or inadequate address information, the following sites were not mapped. Count: 8 records.

Site Name

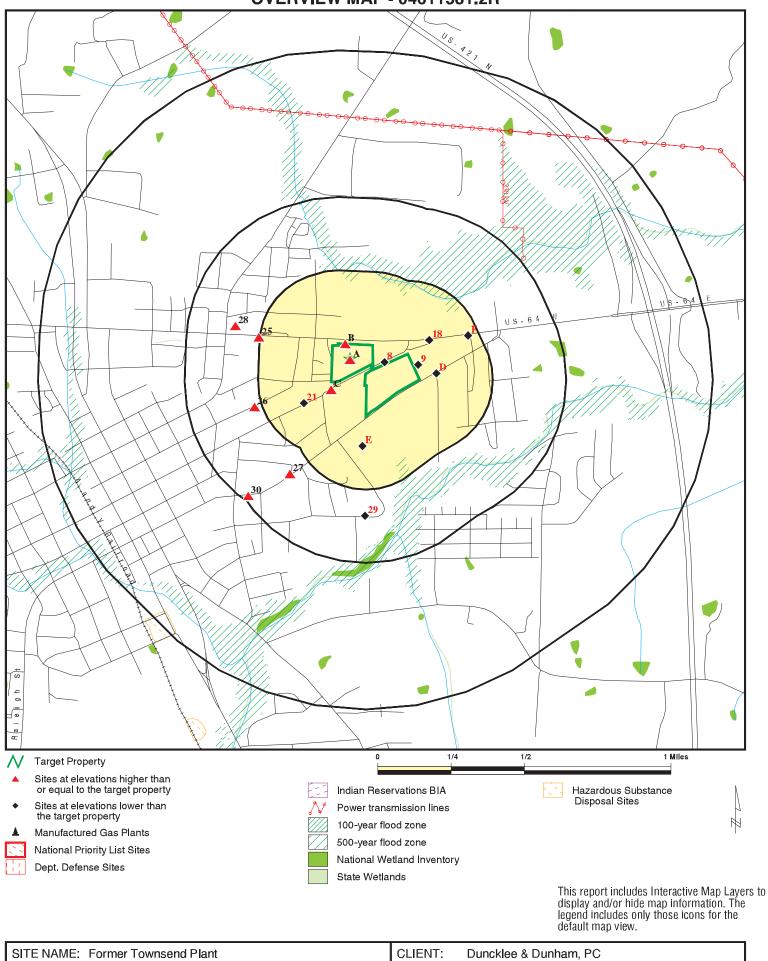
CHATHAM CREATIVE ARTS PROPERTY THE PANTRY 4658 DBA PARK N SHOP 14

HARRELSON RUBBER CO QUICKIE WAY MART FIVE-STAR CHATHAM CHEVROLET BUICK PONTIAC SERVCO-SILER CITY TANK & TUMMY #3 Database(s)

LUST TRUST

LAST LUST, LUST TRUST, UST, Financial Assurance SEMS-ARCHIVE LUST, LUST TRUST LUST, UST LUST LUST, IMD

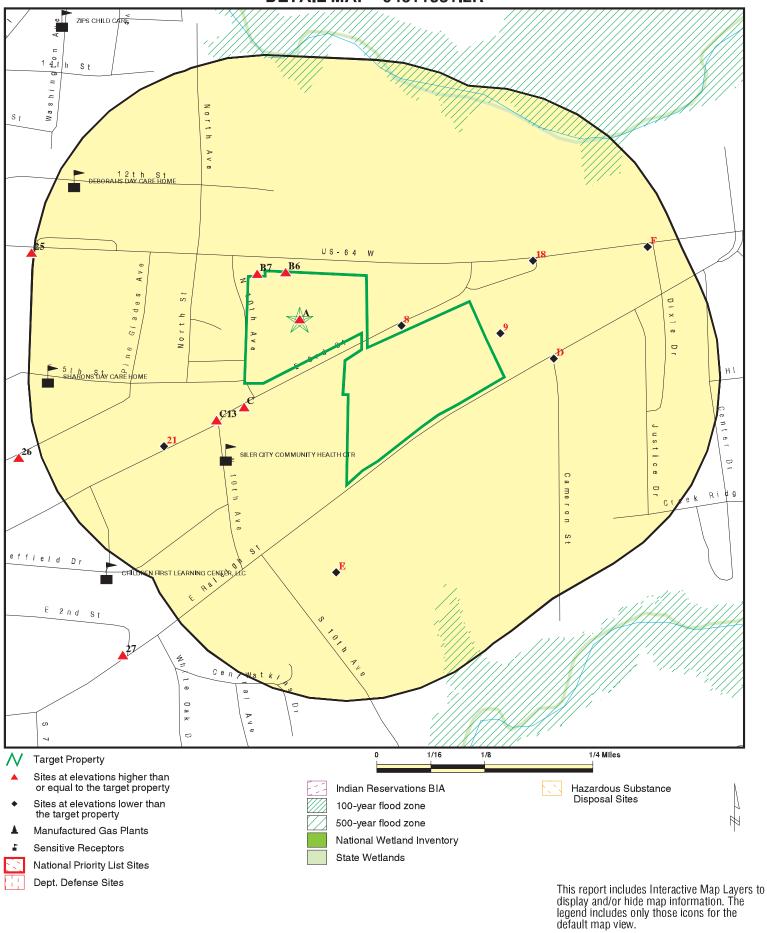
OVERVIEW MAP - 04611581.2R



SITE NAME: Former Townsend Plant
ADDRESS: 1101 East Third Street
Siler City NC 27344
LAT/LONG: 35.731855 / 79.450155

CLIENT: Duncklee & Dunham, PC
CONTACT: Russell Molyneux
INQUIRY #: 04611581.2r
DATE: May 06, 2016 10:35 am

DETAIL MAP - 04611581.2R



SITE NAME: Former Townsend Plant
ADDRESS: 1101 East Third Street
Siler City NC 27344
LAT/LONG: 35.731855 / 79.450155

CLIENT: Duncklee & Dunham, PC
CONTACT: Russell Molyneux
INQUIRY #: 04611581.2r
DATE: May 06, 2016 10:36 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	AL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 TP		0 0 NR	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL site	e list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRAI	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	s list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 1 0	1 0 0	NR NR NR	NR NR NR	NR NR NR	1 1 0
Federal institutional controls / engineering controls registries								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
NC HSDS	1.000		0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF OLI	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal leaking storage tank lists								
LAST	0.500		1	0	1	NR	NR	2

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	<u>> 1</u>	Total Plotted
LUST INDIAN LUST LUST TRUST	0.500 0.500 0.500	2	3 0 1	1 0 0	6 0 2	NR NR NR	NR NR NR	12 0 3
State and tribal registere	ed storage tal	nk lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250	1	0 3 0 0	0 1 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 5 0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary	y cleanup sit	es						
INDIAN VCP VCP	0.500 0.500		0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	elds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
HIST LF SWRCY INDIAN ODI ODI	0.500 0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR NR	NR NR NR NR	0 0 0
DEBRIS REGION 9 Local Lists of Hazardous Contaminated Sites	0.500 s waste /		0	0	0	NR	NR	0
US HIST CDL US CDL	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency F	Release Repo	orts						
HMIRS SPILLS IMD SPILLS 90 SPILLS 80	TP TP 0.500 TP TP		NR NR 6 NR NR	NR NR 1 NR NR	NR NR 4 NR NR	NR NR NR NR NR	NR NR NR NR NR	0 0 11 0 0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS DOD SCRD DRYCLEANERS US FIN ASSUR EPA WATCH LIST 2020 COR ACTION TSCA TRIS SSTS ROD RMP RAATS PRP PADS ICIS FTTS MLTS COAL ASH DOE COAL ASH EPA PCB TRANSFORMER RADINFO HIST FTTS DOT OPS CONSENT INDIAN RESERV FUSRAP UMTRA LEAD SMELTERS US AIRS US MINES	(Miles) 1.000 1.000 0.500 TP TP TP 0.250 TP TP 1.000 TP	Property 1	0 0 0 0 R R O R R R R R R R R R R R R R	000	000 RR RR RR OR RR RR RR OR RR NR OOOORR RR NR N	0 0 R R R R R R R R R R R R R R R R R R		Plotted 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FINDS COAL ASH DRYCLEANERS Financial Assurance NPDES UIC FUELS PROGRAM ECHO	TP 0.500 0.250 TP TP TP 0.250	1	NR 0 1 NR NR NR NR	NR 0 0 NR NR NR 0 NR	NR 0 NR NR NR NR NR	NR NR NR NR NR NR NR	NR NR NR NR NR NR NR	1 0 1 0 0 0 0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records			_	_	_	_	–	_
EDR MGP EDR Hist Auto EDR Hist Cleaner	1.000 0.125 0.125		0 3 0	0 NR NR	0 NR NR	0 NR NR	NR NR NR	0 3 0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Go	vt. Archives							
RGA HWS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LF RGA LUST	TP TP		NR NR	NR NR	NR NR	NR NR	NR NR	0 0
- Totals		6	20	4	13	1	0	44

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

Elevation Site Database(s) EPA ID Number

A1 TOWNSENDS INCORPORATED SILER CITY PLANT

Target 1101 EAST 3RD STREET Property SILER CITY, NC 27344

Site 1 of 5 in cluster A

Actual: 603 ft.

FINDS:

Registry ID: 110000543626

Environmental Interest/Information System

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve accessibility to comprehensive information about environmental regulated entities in the state of North Carolina.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

ECHO:

Envid: 1005540568 Registry ID: 11000543626

DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110000543626

A2 TOWNSENDS, INC. - SILER CITY PLANT RMP 1011839848
Target 1101 EAST THIRD STREET N/A

Target 1101 EAST THIRD STREE Property SILER CITY, NC 27344

Site 2 of 5 in cluster A

Actual: RMP:

603 ft. Facility ID: 1000007327

LEPC city: Chatham County LEPC

Facility decimal latitude: 35.732234 Facility decimal longitude: -079.449483

Is facility in county box: T
LatLong method: I2
LatLong description: FC

Home page web address:

Facility telephone:

Facility email:

Facility DUNS #:

Parent's name:

Not reported

6918676

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Parent's DUNS #: 0

EDR ID Number

1005540568

N/A

FINDS

ECHO

Direction Distance Elevation

ation Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Partner's DUNS #:

Operator's name: Townsends, Inc.
Operator's telephone: 9196632050

Operator's address: 1101 East Third Street
Operators City,St,Zip: Siler City, NC 27344
RMP implementation contact: Steve Fields
RMP contact title: Plant Manager
Emergency contact: Fred Judge

Emergency contact title: Safety/Ergonomics Manager

Emergency contact telephone: 9196634116
24 hour emergency telephone: 9196632050
Emergency contact ext/pin #: Not reported

Number of full time employees: 505

EPA ID: Not reported Facility ID provided by CEPPO: 10000056716

Is facility covered by OSHA PSM: T Is facility covered by EPCRA 302: T Is fac. covered by CAA Title V 112(2): F

Clean air op. permit/State ID: Not reported
Last safety insp. dat: 2009-04-28 00:00:00
Inspected by: Fire Department
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False

Submission type: Resubmission RMP description: Not reported Facility has no accident hist. recs: False Foreign owner's address: Not reported Foreign owner's zip: Not reported Foreign owner's country: Not reported Claim # of employees as CBI: False

Date RMP accepted by EPA: 2009-06-22 00:00:00

Date of error Report: Not reported

Date RMP received: 2009-06-22 00:00:00

Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True

RMP submission method: RMP*eSubmit

Does RMP contain CBI substantiation: False Does RMP contain electronic waiver: False

Date RMP postmarked: 2009-06-22 00:00:00

Is RMP complete: True

 Date of de-registration:
 2012-08-31 00:00:00

 Date de-registration is effective:
 2012-08-31 00:00:00

 Aniversary date:
 2014-06-22 00:00:00

Does RMP contain CBI data: False

Does RMP contain unsanitized CBI version: False

RMP version #: 1.0

FRS latitude: 35.73118999999998 FRS longitude: -79.449420000000003

FRS Description: PLANT ENTRANCE (GENERAL)

FRS Method: ADDRESS MATCHING-HOUSE NUMBER

RMP:

Process ID: 1000008475 NA & Industry Classification Sys.code(s): 311615

NAICS code description: Poultry Processing

Optional facility description: Ammonia Refrigeration

Direction Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Program level: 3
Record contains CBI data: False

RMP:

Chemical name: Public OCA Chemical

Process chemical qty in 100s lbs: 0

Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported

Physical state:

Analytical basic: EPA's RMP*Comp(TM)

Scenario: Not reported Quantity released in pounds: Not reported Release duration in minutes: Not reported Release rate in pounds per second: Not reported

Wind speed in meters/second: 3
Stability class: D
Topography: a

Distance to endpoint in miles:
Residential population:
Public receptors:
Environmental receptors:
Passive mitigation:
Active mitigation:
Not reported
Drains
Not reported
Not reported
Not reported
Not reported

RMP:

Percent weight of chemical: Not reported

Physical state: b

Analytical basic: EPA's RMP*Comp(TM)

Scenario: Not reported Quantity released in pounds: Not reported

Release duration in minutes: 10

Release rate in pounds per second: Not reported

Wind speed in meters/second: 1.5
Stability class: F
Topography: a

Distance to endpoint in miles:

Residential population:

Public receptors:

Environmental receptors:

Passive mitigation:

Not reported

Not reported

Not reported

Drains

RMP:

Endpoint used: Not reported LFL value: Not reported Analytical basic: Not reported Scenario: Not reported Quantity released in pounds: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Public receptors: Not reported Environmental receptors: Not reported Passive mitigation: Not reported Active mitigation: Not reported

RMP:

Analytical basic: Not reported Quantity released in pounds: Not reported Distance to endpoint in miles: Not reported

Distance Elevation Site

te Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Residential population:

Public receptors:

Environmental receptors:

Passive mitigation:

Not reported

Not reported

Not reported

Safety review date: Not reported Most recent PHA date: Not reported Process Hazard Analysis: Not reported Expected PHA changes completion date: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Training: Not reported Competency testing: Not reported Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Equipment tested: Not reported Most recent changes by mgmt: Not reported Date of most recent review/update: Not reported Date of pre-start review: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Not reported Most recent incident investigation: Expected date of investigation changes: Not reported Date of participation plan review: Not reported Date of hot work permit review: Not reported Date of contractor safety review: Not reported Date of contractor safety eval. review: Not reported Record has CBI data: Not reported Not reported Safety review date: Federal Regulation: Not reported Federal regulation comment: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent hazard review/update: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Not reported Expected completion of review changes: Not reported Training: Competency testing: Not reported Not reported Most recent maintenance review date: Most recent equipment inspection date: Not reported Equipment tested: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Record has CBI data: Not reported Date of most recent changes: Not reported Chemical name: Ammonia (anhydrous)

Process chemical qty in 100s lbs:

25000

Direction Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

Process flammable chemical name: Not reported

1011839848

EDR ID Number

RMP:

Percent weight of chemical: Not reported Physical state: Not reported Analytical basic: Not reported Not reported Scenario: Quantity released in pounds: Not reported Release duration in minutes: Not reported Release rate in pounds per second: Not reported Wind speed in meters/second: Not reported Stability class: Not reported Topography: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Not reported Public receptors: Not reported Environmental receptors: Not reported Passive mitigation: Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported Physical state: Not reported Analytical basic: Not reported Scenario: Not reported Not reported Quantity released in pounds: Not reported Release duration in minutes: Release rate in pounds per second: Not reported Wind speed in meters/second: Not reported Stability class: Not reported Topography: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Public receptors: Not reported Environmental receptors: Not reported Not reported Passive mitigation:

RMP:

Endpoint used: Not reported LFL value: Not reported Analytical basic: Not reported Not reported Scenario: Quantity released in pounds: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Public receptors: Not reported Not reported Environmental receptors: Passive mitigation: Not reported Active mitigation: Not reported

RMP:

Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Safety review date: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Most recent PHA date: Not reported Process Hazard Analysis: Not reported Expected PHA changes completion date: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Training: Not reported Competency testing: Not reported Most recent maintenance review date: Not reported Not reported Most recent equipment inspection date: Equipment tested: Not reported Most recent changes by mgmt: Not reported Date of most recent review/update: Not reported Not reported Date of pre-start review: Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Not reported Expected date of investigation changes: Date of participation plan review: Not reported Date of hot work permit review: Not reported Date of contractor safety review: Not reported Not reported Date of contractor safety eval. review: Record has CBI data: Not reported Safety review date: Not reported Federal Regulation: Not reported Federal regulation comment: Not reported Not reported Major Hazard: Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent hazard review/update: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Expected completion of review changes: Not reported Training: Not reported Competency testing: Not reported Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Not reported Equipment tested: Not reported Most recent compliance audit date: Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Record has CBI data: Not reported Date of most recent changes: Not reported

RMP:

ER plan:

R plan most recent review date:

R plan most recent employee training date:

Not reported
2009-02-06 00:00:00
2009-02-06 00:00:00

Local agency coordinating ER plan: Chatham Co. Office of Emer. Mgmt.

Telephone of the coordinating local agency: 9195422911

Federal regulation: True

Direction Distance Elevation

evation Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

 OSHA 1910 120:
 True

 SPCC:
 True

 RCRA:
 False

 OPA 90:
 False

 EPCRA:
 True

 Other Regulations:
 Not reported

RMP:

Facility ID: 12975

LEPC city: Chatham County LEPC

Facility decimal latitude: 37.75
Facility decimal longitude: 79.1875
Is facility in county box: F
LatLong method: I3
LatLong description: FC

Home page web address:

Facility telephone:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Parent's name:

Not reported

Not reported

Not reported

Not reported

Not reported

Parent's DUNS #: 0
Partner's DUNS #: 0

Operator's name: Townsends, Inc.
Operator's telephone: 9196632050
Operator's address: P.O. Box 709
Operators City,St,Zip: Siler City, NC 27344

RMP implementation contact: Bill Baker

RMP contact title: Complex Engineer

Emergency contact: Fred Judge

Emergency contact title: Safety/Ergonomics Manager

Emergency contact telephone: 9196634116
24 hour emergency telephone: 9196632050
Emergency contact ext/pin #: Not reported
Number of full time employees: 777

EPA ID: Not reported Facility ID provided by CEPPO: 100000056716

Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: T
Is fac. covered by CAA Title V 112(2): F

Clean air op. permit/State ID: Not reported
Last safety insp. dat: 1997-09-10 00:00:00

Inspected by: State occupational safety agency

Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: First Time
RMP description: Not reported
Facility has no accident hist. recs: True
Foreign owner's address: Not reported
Foreign owner's zip: Not reported

Foreign owner's country:
Claim # of employees as CBI:
False

Date RMP accepted by EPA: 1999-07-20 00:00:00
Date of error Report: Not reported
Date RMP received: 1999-06-18 00:00:00

Does RMP contain graphics files: False
Does RMP contain attachments: False

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

Was certification letter received: True RMP*Submit RMP submission method: Does RMP contain CBI substantiation: False Does RMP contain electronic waiver: False

Date RMP postmarked: 1999-06-18 00:00:00

Is RMP complete: True

2012-08-31 00:00:00 Date of de-registration: Date de-registration is effective: 2012-08-31 00:00:00 Aniversary date: 2004-06-18 00:00:00

Does RMP contain CBI data: False Does RMP contain unsanitized CBI version: False RMP version #: 1.1.7

FRS latitude: 35.731189999999998 FRS longitude: -79.449420000000003

PLANT ENTRANCE (GENERAL) FRS Description:

ADDRESS MATCHING-HOUSE NUMBER FRS Method:

RMP:

Process ID: 17435

NA & Industry Classification Sys.code(s): 311615

NAICS code description: **Poultry Processing**

Optional facility description: Ammonia Refrigeration

Program level: Record contains CBI data: False

RMP:

Chemical name: Public OCA Chemical

Process chemical qty in 100s lbs:

Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported

Physical state:

EPA's RMP*Comp(TM) Analytical basic:

Scenario: Not reported Quantity released in pounds: Not reported Release duration in minutes: Not reported Release rate in pounds per second: Not reported

Wind speed in meters/second: 1.5 F Stability class: Topography:

Distance to endpoint in miles: Not reported Residential population: Not reported Public receptors: Not reported Environmental receptors: Not reported Drains Passive mitigation: Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported

Physical state:

EPA's RMP*Comp(TM) Analytical basic:

Scenario: Not reported Quantity released in pounds: Not reported

Release duration in minutes: 10

Release rate in pounds per second: Not reported

Wind speed in meters/second: 1.5 Stability class:

Distance
Elevation Site Database(s)

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

EPA ID Number

Topography: a

Distance to endpoint in miles:

Residential population:

Public receptors:

Environmental receptors:

Passive mitigation:

Not reported

Not reported

Not reported

Drains

RMP:

Endpoint used: Not reported LFL value: Not reported Analytical basic: Not reported Not reported Scenario: Quantity released in pounds: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Not reported Public receptors: Environmental receptors: Not reported Passive mitigation: Not reported Active mitigation: Not reported

RMP:

Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Safety review date: Not reported Most recent PHA date: Not reported Not reported Process Hazard Analysis: Expected PHA changes completion date: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Training: Not reported Competency testing: Not reported Not reported Most recent maintenance review date: Most recent equipment inspection date: Not reported Equipment tested: Not reported Not reported Most recent changes by mgmt: Date of most recent review/update: Not reported Date of pre-start review: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Date of participation plan review: Not reported Date of hot work permit review: Not reported Date of contractor safety review: Not reported Date of contractor safety eval. review: Not reported Record has CBI data: Not reported Safety review date: Not reported Federal Regulation: Not reported

Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Federal regulation comment: Not reported Not reported Major Hazard: Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Not reported Most recent hazard review/update: Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Expected completion of review changes: Not reported Not reported Training: Competency testing: Not reported Most recent maintenance review date: Not reported Not reported Most recent equipment inspection date: Equipment tested: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Record has CBI data: Not reported Date of most recent changes: Not reported Chemical name: Ammonia (anhydrous)

Process chemical qty in 100s lbs: 12900
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported Physical state: Not reported Analytical basic: Not reported Scenario: Not reported Quantity released in pounds: Not reported Release duration in minutes: Not reported Not reported Release rate in pounds per second: Wind speed in meters/second: Not reported Not reported Stability class: Topography: Not reported Not reported Distance to endpoint in miles: Residential population: Not reported Public receptors: Not reported Not reported Environmental receptors: Not reported Passive mitigation: Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported Not reported Physical state: Analytical basic: Not reported Scenario: Not reported Quantity released in pounds: Not reported Release duration in minutes: Not reported Not reported Release rate in pounds per second: Wind speed in meters/second: Not reported Stability class: Not reported Topography: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Public receptors: Not reported Environmental receptors: Not reported

Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Passive mitigation: Not reported

RMP:

Endpoint used: Not reported LFL value: Not reported Analytical basic: Not reported Not reported Scenario: Quantity released in pounds: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Public receptors: Not reported Environmental receptors: Not reported Not reported Passive mitigation: Active mitigation: Not reported

RMP:

Analytical basic:

Quantity released in pounds:
Distance to endpoint in miles:
Residential population:
Public receptors:
Environmental receptors:
Passive mitigation:

Not reported
Not reported
Not reported
Not reported
Not reported

Safety review date: Not reported Most recent PHA date: Not reported Process Hazard Analysis: Not reported Expected PHA changes completion date: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Training: Not reported Competency testing: Not reported Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Equipment tested: Not reported Most recent changes by mgmt: Not reported Date of most recent review/update: Not reported Date of pre-start review: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Date of participation plan review: Not reported Date of hot work permit review: Not reported Date of contractor safety review: Not reported Date of contractor safety eval. review: Not reported Record has CBI data: Not reported Safety review date: Not reported Federal Regulation: Not reported Federal regulation comment: Not reported Not reported Major Hazard: Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Changes since the last process hazard analysis: Not reported Most recent hazard review/update: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Expected completion of review changes: Not reported Training: Not reported Competency testing: Not reported Most recent maintenance review date: Not reported Not reported Most recent equipment inspection date: Equipment tested: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Record has CBI data: Not reported Date of most recent changes: Not reported

RMP:

ER plan:

R plan most recent review date:

R plan most recent employee training date:

Not reported
1999-02-01 00:00:00
1998-06-01 00:00:00

Local agency coordinating ER plan: Chatham Co. Office of Emer. Mgmt.

Telephone of the coordinating local agency: 9195422911 Federal regulation: True OSHA 1910 120: True SPCC: True False RCRA: OPA 90: False EPCRA: True Other Regulations: Not reported

RMP:

Facility ID: 38354

LEPC city: Chatham County LEPC

Facility decimal latitude: 35.732234 Facility decimal longitude: -079.449483

Is facility in county box: T
LatLong method: I2
LatLong description: FC

Home page web address:

Facility telephone:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Parent's name:

Not reported

Not reported

Not reported

Not reported

Not reported

Parent's DUNS #: 0
Partner's DUNS #: 0

Operator's name: Townsends, Inc.
Operator's telephone: 9196632050
Operator's address: PO Box 709
Operators City,St,Zip: Siler City, NC 27344
RMP implementation contact: Steve Fields
RMP contact title: Plant Manager
Emergency contact: Fred Judge

Emergency contact title: Safety/Ergonomics Manager

Emergency contact telephone: 9196634116 24 hour emergency telephone: 9196632050

Direction Distance

Elevation Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Emergency contact ext/pin #: Not reported

Number of full time employees: 601

EPA ID: Not reported Facility ID provided by CEPPO: 100000056716

Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: T
Is fac. covered by CAA Title V 112(2): F

Clean air op. permit/State ID: Not reported 2004-03-29 00:00:00 Last safety insp. dat: Inspected by: Fire Department Is it OSHA approved with star/merit ranking: False Will RMP involve predictive filing: False Submission type: Resubmission RMP description: Siler City, NC Facility has no accident hist. recs: True

Facility has no accident hist, recs:

Foreign owner's address:

Foreign owner's zip:

Foreign owner's country:

Claim # of employees as CBI:

Frue

Not reported

Not reported

False

Date RMP accepted by EPA: 2004-08-23 00:00:00
Date of error Report: Not reported

Date RMP received: 2004-06-24 00:00:00

Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False

Date RMP postmarked: 2004-06-21 00:00:00

Is RMP complete: True

 Date of de-registration:
 2012-08-31 00:00:00

 Date de-registration is effective:
 2012-08-31 00:00:00

 Aniversary date:
 2009-06-21 00:00:00

Does RMP contain CBI data: False

Does RMP contain unsanitized CBI version: False

RMP version #: 3.2

FRS latitude: 35.731189999999998 FRS longitude: -79.449420000000003

FRS Description: PLANT ENTRANCE (GENERAL)

FRS Method: ADDRESS MATCHING-HOUSE NUMBER

RMP:

Process ID: 55161

NA & Industry Classification Sys.code(s): 311615

NAICS code description: Poultry Processing

Optional facility description: Ammonia Refrigeration

Program level: 3
Record contains CBI data: False

RMP:

Chemical name: Ammonia (anhydrous)

Process chemical qty in 100s lbs: 9803
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical:
Physical state:
Analytical basic:
Not reported
Not reported

Direction
Distance
Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Scenario: Not reported Quantity released in pounds: Not reported Not reported Release duration in minutes: Not reported Release rate in pounds per second: Wind speed in meters/second: Not reported Stability class: Not reported Topography: Not reported Not reported Distance to endpoint in miles: Residential population: Not reported Public receptors: Not reported Not reported Environmental receptors: Not reported Passive mitigation: Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported Not reported Physical state: Analytical basic: Not reported Scenario: Not reported Quantity released in pounds: Not reported Release duration in minutes: Not reported Release rate in pounds per second: Not reported Wind speed in meters/second: Not reported Stability class: Not reported Topography: Not reported Distance to endpoint in miles: Not reported Not reported Residential population: Public receptors: Not reported Environmental receptors: Not reported Passive mitigation: Not reported

RMP:

Endpoint used: Not reported Not reported LFL value: Analytical basic: Not reported Not reported Scenario: Quantity released in pounds: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Public receptors: Not reported Environmental receptors: Not reported Not reported Passive mitigation: Active mitigation: Not reported

RMP:

Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Safety review date:

Most recent PHA date:
Process Hazard Analysis:
Expected PHA changes completion date:
Mot reported
Major Hazard:
Process Control:
Mitigation Systems:
Not reported
Not reported
Not reported
Not reported
Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Training: Not reported Competency testing: Not reported Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Equipment tested: Not reported Most recent changes by mgmt: Not reported Date of most recent review/update: Not reported Date of pre-start review: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Date of participation plan review: Not reported Date of hot work permit review: Not reported Date of contractor safety review: Not reported Date of contractor safety eval. review: Not reported Record has CBI data: Not reported Not reported Safety review date: Federal Regulation: Not reported Federal regulation comment: Not reported Major Hazard: Not reported Not reported Process Control: Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent hazard review/update: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Expected completion of review changes: Not reported Training: Not reported Competency testing: Not reported Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Equipment tested: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Record has CBI data: Not reported Date of most recent changes: Not reported Public OCA Chemical Chemical name:

Process chemical qty in 100s lbs: 0

Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported

Physical state:

Analytical basic: EPA's RMP*Comp(TM)

Scenario: Not reported Quantity released in pounds: Not reported Release duration in minutes: Not reported Release rate in pounds per second: Not reported

Wind speed in meters/second: 3 Stability class: D

Direction Distance Elevation

nce EDR ID Number ation Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

Topography:

Distance to endpoint in miles:

Residential population:

Public receptors:

Environmental receptors:

Passive mitigation:

Active mitigation:

Not reported

Not reported

Drains

Not reported

RMP:

Percent weight of chemical: Not reported

Physical state:

Analytical basic: EPA's RMP*Comp(TM)

Scenario: Not reported Quantity released in pounds: Not reported

Release duration in minutes: 10

Release rate in pounds per second: Not reported

Wind speed in meters/second: 1.5 Stability class: F Topography: a

Distance to endpoint in miles:

Residential population:

Public receptors:

Environmental receptors:

Passive mitigation:

Not reported

Not reported

Not reported

Drains

RMP:

Endpoint used: Not reported LFL value: Not reported Analytical basic: Not reported Scenario: Not reported Quantity released in pounds: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Public receptors: Not reported Environmental receptors: Not reported Passive mitigation: Not reported Active mitigation: Not reported

RMP:

Analytical basic:

Quantity released in pounds:
Distance to endpoint in miles:
Residential population:

Public receptors:

Environmental receptors:

Not reported

Safety review date: Not reported Most recent PHA date: Not reported Process Hazard Analysis: Not reported Expected PHA changes completion date: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Training: Not reported Competency testing: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Equipment tested: Not reported Most recent changes by mgmt: Not reported Date of most recent review/update: Not reported Date of pre-start review: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Not reported Date of participation plan review: Not reported Date of hot work permit review: Date of contractor safety review: Not reported Date of contractor safety eval. review: Not reported Record has CBI data: Not reported Safety review date: Not reported Federal Regulation: Not reported Federal regulation comment: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Not reported Monitoring/Detection: Changes since the last process hazard analysis: Not reported Most recent hazard review/update: Not reported Most recent review of op. procedures: Not reported Not reported Most recent training progs review/update: Expected completion of review changes: Not reported Training: Not reported Competency testing: Not reported Not reported Most recent maintenance review date: Most recent equipment inspection date: Not reported Equipment tested: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Not reported Most recent incident investigation: Expected date of investigation changes: Not reported Record has CBI data: Not reported Date of most recent changes: Not reported

RMP:

ER plan:

R plan most recent review date:

ER plan most recent employee training date:

Not reported
2004-02-27 00:00:00
2004-04-20 00:00:00

Local agency coordinating ER plan: Chatham Co. Office of Emer. Mgmt.

Telephone of the coordinating local agency: 9195422911 Federal regulation: True OSHA 1910 120: True SPCC: True RCRA: False OPA 90: False EPCRA: True Other Regulations: Not reported

RMP:

Facility ID: 17020

LEPC city: Chatham County LEPC

Facility decimal latitude: 37.75

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

Facility decimal longitude: 79.1875
Is facility in county box: F
LatLong method: I3
LatLong description: FC

Home page web address:

Facility telephone:

Not reported

Not reported

Not reported

Not reported

Not reported

Not reported

Parent's name:

Not reported

Not reported

Not reported

Not reported

Not reported

Parent's DUNS #: 0
Partner's DUNS #: 0

Operator's name: Townsends, Inc.
Operator's telephone: 9196632050
Operator's address: P.O. Box 709
Operators City,St,Zip: Siler City, NC 27344

RMP implementation contact: Bill Baker

RMP contact title: Complex Engineer

Emergency contact: Fred Judge

Emergency contact title: Safety/Ergonomics Manager

Emergency contact telephone: 9196634116
24 hour emergency telephone: 9196632050
Emergency contact ext/pin #: Not reported
Number of full time employees: 777
EPA ID: Not reported
Facility ID provided by CEPPO: 100000056716

Is facility covered by OSHA PSM: T Is facility covered by EPCRA 302: T Is fac. covered by CAA Title V 112(2): F

Clean air op. permit/State ID: Not reported
Last safety insp. dat: 1997-09-10 00:00:00

Inspected by: State occupational safety agency

Is it OSHA approved with star/merit ranking: False Will RMP involve predictive filing: False Submission type: Correction RMP description: Not reported Facility has no accident hist. recs: True Foreign owner's address: Not reported Foreign owner's zip: Not reported Not reported Foreign owner's country: Claim # of employees as CBI: False

Date RMP accepted by EPA: 1999-08-27 00:00:00
Date of error Report: Not reported

Date RMP received: 1999-06-22 00:00:00

Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False

Does RMP contain electronic waiver: False

Date RMP postmarked: 1999-06-21 00:00:00

Is RMP complete: True

 Date of de-registration:
 2012-08-31 00:00:00

 Date de-registration is effective:
 2012-08-31 00:00:00

 Aniversary date:
 2004-06-18 00:00:00

Does RMP contain CBI data: False

Does RMP contain unsanitized CBI version: False

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

RMP version #: 1.1.7

35.731189999999998 FRS latitude: -79.449420000000003 FRS longitude:

FRS Description: PLANT ENTRANCE (GENERAL)

FRS Method: ADDRESS MATCHING-HOUSE NUMBER

RMP:

23880 Process ID:

NA & Industry Classification Sys.code(s): 311615

NAICS code description: Poultry Processing

Optional facility description: Ammonia Refrigeration

Program level: Record contains CBI data: False

RMP:

Chemical name: Ammonia (anhydrous)

Process chemical qty in 100s lbs: 12900 Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported Physical state: Not reported Analytical basic: Not reported Scenario: Not reported Quantity released in pounds: Not reported Not reported Release duration in minutes: Release rate in pounds per second: Not reported Wind speed in meters/second: Not reported Stability class: Not reported Topography: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Not reported Public receptors: Environmental receptors: Not reported Not reported Passive mitigation: Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported Physical state: Not reported Analytical basic: Not reported Scenario: Not reported Not reported Quantity released in pounds: Release duration in minutes: Not reported Not reported Release rate in pounds per second: Wind speed in meters/second: Not reported Stability class: Not reported Topography: Not reported Distance to endpoint in miles: Not reported Residential population: Not reported Not reported Public receptors: Environmental receptors: Not reported Passive mitigation: Not reported

RMP:

Endpoint used: Not reported LFL value: Not reported Analytical basic: Not reported Scenario: Not reported

Distance
Elevation Site

Database(s)

EDR ID Number EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

Quantity released in pounds:

Distance to endpoint in miles:

Residential population:

Public receptors:

Environmental receptors:

Passive mitigation:

Not reported

RMP:

Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Safety review date: Not reported Most recent PHA date: Not reported Not reported Process Hazard Analysis: Expected PHA changes completion date: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Not reported Most recent review of op. procedures: Most recent training progs review/update: Not reported Training: Not reported Not reported Competency testing: Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Equipment tested: Not reported Most recent changes by mgmt: Not reported Date of most recent review/update: Not reported Date of pre-start review: Not reported Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Not reported Date of participation plan review: Not reported Date of hot work permit review: Date of contractor safety review: Not reported Date of contractor safety eval. review: Not reported Record has CBI data: Not reported Safety review date: Not reported Not reported Federal Regulation: Federal regulation comment: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent hazard review/update: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Not reported Expected completion of review changes: Training: Not reported Competency testing: Not reported

Direction Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Equipment tested: Not reported Not reported Most recent compliance audit date: Expected date of audit completion: Not reported Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Record has CBI data: Not reported Date of most recent changes: Not reported Chemical name: Public OCA Chemical

Process chemical qty in 100s lbs: 0

Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported

Physical state: b

Analytical basic: EPA's RMP*Comp(TM)

Scenario: Not reported Quantity released in pounds: Not reported Release duration in minutes: Not reported Release rate in pounds per second: Not reported

Wind speed in meters/second: 1.5
Stability class: F
Topography: a

Distance to endpoint in miles:

Residential population:

Public receptors:

Environmental receptors:

Passive mitigation:

Active mitigation:

Not reported

Not reported

Drains

Not reported

RMP:

Percent weight of chemical: Not reported

Physical state: b

Analytical basic: EPA's RMP*Comp(TM)

Scenario: Not reported Quantity released in pounds: Not reported

Release duration in minutes: 10

Release rate in pounds per second: Not reported

Wind speed in meters/second: 1.5
Stability class: F
Topography: a

Distance to endpoint in miles:
Residential population:
Public receptors:
Not reported
Not reported
Not reported
Not reported
Not reported
Passive mitigation:
Not reported
Drains

RMP:

Endpoint used: Not reported LFL value: Not reported Analytical basic: Not reported Scenario: Not reported Quantity released in pounds: Not reported Not reported Distance to endpoint in miles: Not reported Residential population: Public receptors: Not reported Environmental receptors: Not reported Passive mitigation: Not reported

Distance Elevation

Site Database(s) EPA ID Number

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

EDR ID Number

Active mitigation: Not reported

RMP:

Analytical basic: Not reported
Quantity released in pounds: Not reported
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Not reported

Environmental receptors: Not reported Not reported Passive mitigation: Safety review date: Not reported Most recent PHA date: Not reported Process Hazard Analysis: Not reported Expected PHA changes completion date: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Training: Not reported Not reported Competency testing: Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Not reported Equipment tested: Most recent changes by mgmt: Not reported Date of most recent review/update: Not reported Date of pre-start review: Not reported Most recent compliance audit date: Not reported Not reported Expected date of audit completion: Most recent incident investigation: Not reported Expected date of investigation changes: Not reported Date of participation plan review: Not reported Date of hot work permit review: Not reported Not reported Date of contractor safety review: Date of contractor safety eval. review: Not reported Record has CBI data: Not reported Safety review date: Not reported Federal Regulation: Not reported Federal regulation comment: Not reported Major Hazard: Not reported Process Control: Not reported Mitigation Systems: Not reported Monitoring/Detection: Not reported Changes since the last process hazard analysis: Not reported Most recent hazard review/update: Not reported Most recent review of op. procedures: Not reported Most recent training progs review/update: Not reported Expected completion of review changes: Not reported Training: Not reported Competency testing: Not reported Most recent maintenance review date: Not reported Most recent equipment inspection date: Not reported Not reported Equipment tested: Most recent compliance audit date: Not reported Expected date of audit completion: Not reported Most recent incident investigation: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TOWNSENDS, INC. - SILER CITY PLANT (Continued)

1011839848

LUST S118362115

N/A

Expected date of investigation changes: Not reported Record has CBI data: Not reported Date of most recent changes: Not reported

RMP:

ER plan: Not reported 1999-02-01 00:00:00 ER plan most recent review date: ER plan most recent employee training date: 1998-06-01 00:00:00

Local agency coordinating ER plan: Chatham Co. Office of Emer. Mgmt.

Telephone of the coordinating local agency: 9195422911 Federal regulation: True OSHA 1910 120: True SPCC: True RCRA: False **OPA 90:** False EPCRA: True

Not reported Other Regulations:

TOWNSENDS UST А3 1101 E. THIRD ST **Target Property** SILER CITY, NC 27344

Site 3 of 5 in cluster A

LUST: Actual:

603 ft.

Facility ID: Not reported **UST Number:** RA-7744 39846 Incident Number:

SL Contamination Type: Leak-underground Source Type:

Product Type:

Date Reported: 09/25/2015 Date Occur: 08/12/2015 Not reported Cleanup: Closure Request: Not reported Close Out: Not reported

Level Of Soil Cleanup Achieved: Not reported

Tank Regulated Status:

Of Supply Wells:

Commercial/NonCommercial UST Site: COMMERCIAL Risk Classification: Not reported Risk Class Based On Review: Not reported Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported Site Priority: Not reported Phase Of LSA Req: Not reported Site Risk Reason: Not reported

Land Use: Industrial/commercial

MTBE: No MTBE1: Unknown Flag: Yes Flag1: No LUR Filed: Not reported

Release Detection:

Current Status: File Located in House

RBCA GW: Not reported

PETOPT: 3

MAP FINDINGS Map ID Direction

Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TOWNSENDS UST (Continued)

S118362115

RPL: False CD Num: 0 Reel Num: 0 RPOW: False RPOP: False Error Flag: Error Code: Ν Valid: False

Lat/Long Decimal: 35.7320 -79.4507 Testlat: Not reported Regional Officer Project Mgr: CCW Region: **RAL**

Company: townsends inc. property

Contact Person: david welch Telephone: 7042199944 RP Address: po box 99

RP City,St,Zip: pfafftown, NC 27040

RP County: Not reported

Comments: Send IAR 1/16/15 after I received the Quick way mart report (39615)

that showed no vapor intrusion is a issue at the adjacent property

that started the EPA inquiry.

5 Min Quad: Not reported

PIRF:

39846 Facility Id:

2015-08-12 00:00:00 Date Occurred: Date Reported: 2015-09-25 00:00:00

Not reported **Description Of Incident:** Owner/Operator: Not reported

Ownership: 4 6 Operation Type: Type: 3 Location:

Site Priority: Not reported Priority Update: Not reported Wells Affected Y/N: Ν Samples Include: Not reported

7#5 Minute Quad:

5 Minute Quad: Not reported Pirf/Min Soil: Not reported Not reported Release Code: Not reported Source Code:

Err Type: 2 Cause: 7 Source: Α Р Ust Number:

Last Modified: Not reported **Incident Phase:** Not reported NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported RS Designation: Not reported Not reported Closure Request Date:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TOWNSENDS UST (Continued)

S118362115

Close-out Report: Not reported

Α4 SOUTHEAST LAND HOLDINGS, LLC LUST S118362107

N/A

1101 E. THIRD STREET **Target** SILER CITY, NC 27344 **Property**

Site 4 of 5 in cluster A

LUST: Actual: 603 ft.

Facility ID: Not reported **UST Number:** RA-7735 39838 Incident Number:

Contamination Type: SL Source Type: Leak-underground

Product Type: Ρ

Date Reported: 09/25/2015 Date Occur: 08/17/2015 Cleanup: 08/14/2015 Closure Request: Not reported Close Out: Not reported

Level Of Soil Cleanup Achieved:

Not reported

Tank Regulated Status:

Of Supply Wells:

Commercial/NonCommercial UST Site: COMMERCIAL Risk Classification: Not reported

Risk Class Based On Review:

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported Not reported NORR Issue Date: Site Priority: Not reported Phase Of LSA Req: Not reported Site Risk Reason: Not reported

Land Use: Industrial/commercial

MTBE: No MTBE1: Unknown Flag: No Flag1: No

LUR Filed: Not reported

Release Detection:

Current Status: File Located in House

RBCA GW: Not reported

PETOPT: False RPL: CD Num: 0 Reel Num: 0 RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: False

35.7316 -79.4507 Lat/Long Decimal: Testlat: Not reported Regional Officer Project Mgr: ccw Region: RAL

Company: southeast land holdings

Contact Person: david welch Telephone: 7042199444 RP Address: po box 99

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

SOUTHEAST LAND HOLDINGS, LLC (Continued)

S118362107

RP City,St,Zip: pfafftown, NC 27040 Not reported RP County:

Comments: Not reported 5 Min Quad: Not reported

PIRF:

Facility Id: 39838

Date Occurred: 2015-08-17 00:00:00 Date Reported: 2015-09-25 00:00:00

Description Of Incident: Not reported Owner/Operator: Not reported

Ownership: Operation Type: 6 Type: 3 Location:

Site Priority: Not reported Priority Update: Not reported

Wells Affected Y/N: Ν

Samples Include: Not reported

7#5 Minute Quad:

5 Minute Quad: Not reported Pirf/Min Soil: Not reported Release Code: Not reported Source Code: Not reported

Err Type: 7 Cause: Source: Α Ust Number: Р

Last Modified: Not reported Incident Phase: Not reported NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported **RS** Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

Α5 SOUTHEAST LAND HOLDINGS, LLC

Target 1101 EAST THIRD STREET SILER CITY, NC 27344 **Property**

UST U001206344 N/A

Site 5 of 5 in cluster A

UST: Actual: 603 ft.

00-0-0000032430 Facility Id:

SOUTHEAST LAND HOLDINGS LLC Contact:

Contact Address1: 721 ANCHORS BEND COVE

Contact Address2: Not reported

LAKE WYLIE, SC 29710 Contact City/State/Zip:

FIPS County Desc: Chatham Latitude: 35.73162 Longitude: -79.45071

Direction Distance Elevation

Site Database(s) **EPA ID Number**

SOUTHEAST LAND HOLDINGS, LLC (Continued)

U001206344

EDR ID Number

Tank Id:

Tank Status: Current Installed Date: 02/20/1961 Perm Close Date: Not reported

Product Key:

Gasoline, Gas Mix Product Name:

Tank Capacity: 10000 Root Tank Id: Not reported

Main Tank: No Compartment Tank: No Manifold Tank: 0 Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel Single Wall Steel Piping Construction: Piping System Key: Unknown Other CP Tank: Not reported

Overfill Protection Key:

Overfill Protection Name: Auto Shutoff Device

Spill Protection Key:

Spill Protection Name: Catchment Basin Leak Detection Key: Not reported Leak Detection Name: Not reported Decode for TCONS_KEY: Single Wall Steel Decode for PCONS_KEY: Single Wall Steel Unknown

Decode for PSYS_KEY:

2 Tank Id: Tank Status: Current Installed Date: 02/20/1961 Perm Close Date: Not reported

Product Key: Product Name: Diesel 10000 Tank Capacity: Not reported Root Tank Id:

Main Tank: No Compartment Tank: No Manifold Tank: 0 Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel Piping Construction: Single Wall Steel Piping System Key: Unknown Other CP Tank: Not reported

Overfill Protection Key:

Overfill Protection Name: Auto Shutoff Device

Spill Protection Key:

Spill Protection Name: Catchment Basin Leak Detection Key: Not reported Not reported Leak Detection Name: Decode for TCONS_KEY: Single Wall Steel Decode for PCONS_KEY: Single Wall Steel Decode for PSYS_KEY: Unknown

TC04611581.2r Page 34

Direction Distance

Elevation Site Database(s) EPA ID Number

HSDS HARRELSON RUBBER COMPANY NC HSDS S102442456
Region N/A

SW , NC 1/2-1

5033 ft.

HSDS:

Site Type: Federal
Superfund ID: 071 581 128

Lat/Long: 35 43 6.759245 79 27 42.485357

Total area in coverage units: 17396.9492188
Total perimeter in coverage units: 513.29235839
X-value coordinate in feet: 1862920.375
Y-value coordinate in feet: 716746.375

Sites designated as superfund cleanup sites: 369

Length of feature in internal units: 513.292375517
Area of feature in internal units squared: 17396.949975

00-0-000

B6 TANK AND TUMMY #3 (QUICK WAY MART) LUST \$110051994 1322 E 11TH ST (US 64 AT 3RD) N/A

< 1/8 SILER CITY, NC 27344

1 ft.

Site 1 of 2 in cluster B

Relative: LUST:

Higher Facility ID:

UST Number: RA-2626
Actual: Incident Number: 16359

605 ft. Contamination Type: GW

Source Type: Leak-underground

Product Type: P

Date Reported: 02/20/1995
Date Occur: 01/17/1995
Cleanup: Not reported
Closure Request: Not reported
Close Out: 08/11/2010

Level Of Soil Cleanup Achieved: Residential

Tank Regulated Status:

Of Supply Wells: 0

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification: L
Risk Class Based On Review: L

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported Site Priority: 20E

Phase Of LSA Req: Not reported Site Risk Reason: Not reported Land Use: Residential MTBE: No MTBE1: Unknown Flaq: No

LUR Filed: Not reported

Release Detection: 0

Flag1:

Current Status: File Located in Archives
RBCA GW: Cleanups to alternate standards

No

PETOPT: 3
RPL: False
CD Num: 482

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

TANK AND TUMMY #3 (QUICK WAY MART) (Continued)

S110051994

EDR ID Number

Reel Num:
RPOW:
RPOP:
False
RPOP:
False
Error Flag:
Crror Code:
Valid:
Not reported
False
False

Lat/Long Decimal: 35.7322 -79.4472
Testlat: Not reported
Regional Officer Project Mgr: ccw
Region: RAL

Company: PUGH OIL COMPANY, INC.
Contact Person: RONALD K. PUGH (OLD RELEASE)

Telephone: 3366292061 RP Address: PO BOX 4006

RP City,St,Zip: ASHEBORO, NC 27204

RP County: Not reported

Comments: MAJOR SOIL CONTAM.. NORR SENT 9/16/96. 1/30/07 - LSA NORR ISSUED. -

CED ////Pamela Harrelson of PIBS inspected facility 9/15/09 finding

numerous deficiencies (see email in file) and issued NOV today-DMD,9/24/09////As there are possible industrial wells within 1500' per ISC Report (Environmental Answers, 10/10/96), changing risk from U to H.DMD,9/29/09///LSA NORR issued to Pugh Oil for former USTs located east of existing tanks owned by Mr. Desai--DMD,10/7/09///LSA receptor survey provides basis for re-ranking site from High to Low and issuing stop-funding NORR. Groundwater contaminants exceed 2L for naphthalene and several EPH/VPH groups, but are less than GCLs.DMD///following compliance inspection by Pamela Harrelson (PIB) in 9/24/09 NOV for 3 areas: diesel pump; diesel dispenser #7/8 sump; and T1 reg gasoline fuel line. Analysis indicated TPH GRO ganging from 11 to 82 ppm in 3 of 23 soil sample locations, and risk-based

Naph level >stg but <res mscc in one location. Recent LSA findings for old tank pit (see LSA, Griffith Ent, Inc., dated 2/3/10) indicate site is low risk with gw contam >2L but <GCL. Sending NRP NOR for gw only and soil pub notice-DMD,6/16/10////Pulblic notice verification received by email.dmd,9-2-10/// site visit conducted by CCW on 8-4-14 in response to petro vapor in a nearby building. Petro odor seems to be present. Due to the vapor intusions, and will send a site check

NORR to potential RP.-CCW

5 Min Quad: Not reported

PIRF:

Facility Id: 16359

Date Occurred: 1995-01-17 00:00:00
Date Reported: 1996-10-10 00:00:00

Description Of Incident: SOIL CONTAM. WAS CONFIRMED AT 1210 PPM.

Owner/Operator: MR. RICHARD PUGH

 Ownership:
 4

 Operation Type:
 6

 Type:
 3

 Location:
 1

 Site Priority:
 20E

Priority Update: 1998-04-16 00:00:00

Wells Affected Y/N: N
Samples Include: 0
7#5 Minute Quad: 3
5 Minute Quad: 2

Pirf/Min Soil: Not reported Release Code: L49I

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

TANK AND TUMMY #3 (QUICK WAY MART) (Continued)

S110051994

Source Code: Pirf

Err Type: Not reported Not reported Cause: Source: Not reported Ust Number: Not reported

Last Modified: Not reported **Closed Out** Incident Phase: NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported **RS** Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

S105765300 **B7 FIVE STAR IMD** NW 1212 E. 11TH ST. N/A

< 1/8 SILER CITY, NC

0.003 mi.

Site 2 of 2 in cluster B 16 ft.

IMD: Relative:

Region: RAL Higher Facility ID: 22508

Actual: Date Occurred: 1/21/1998 622 ft. Submit Date: 11/7/2000

> GW Contam: Yes, Groundwater Contamination has been detected

Soil Contam:

SOIL CONTAMINATION DISCOVERED DURING UST REMOVAL Incident Desc:

BILLY SILER, SR. Operator: Contact Phone: 9197425570 Owner Company: Not reported Operator Address:1215 MLK BLVD. Operator City: SILER CITY

Oper City, St, Zip: SILER CITY, NC 27344-

Ownership: Private Operation: Commercial Material: Not reported Qty Lost 1: Not reported Qty Recovered 1: Not reported Source: Leak-underground Type: Gasoline/diesel

Facility Location: Urban Setting: Risk Site: L Site Priority: U

Priority Code: Not reported Priority Update: 11/7/2000 Dem Contact: JFM Wells Affected: No

Num Affected: Not reported Wells Contam: Not reported Sampled By: Not reported Samples Include: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

FIVE STAR (Continued) S105765300

7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.7325
Longitude: -79.45305555
Latitude Number: 354357
Longitude Number: 792711
Latitude Decimal: 35.7325

Longitude Decimal: 79.453055555556

GPS: Agency: DWM 22508 Facility ID: Last Modified: 11/6/2000 Incident Phase: Closed Out NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

 8
 GLENDALE HOSIERY CO.
 LUST U001192983

 East 1200 EAST THIRD STREET
 UST N/A

 < 1/8</td>
 SILER CITY, NC 27344
 IMD

0.007 mi. 37 ft.

Relative: LUST:

Lower Facility ID: Not reported UST Number: RA-1728

Actual: Incident Number: 10572
589 ft. Contamination Type: GW
Source Type: Leak-underground

Product Type: P
Date Reported: 01/03/1992
Date Occur: 01/27/1992

Date Occur: 01/27/1992
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported

Level Of Soil Cleanup Achieved: Not reported

Tank Regulated Status: R

Of Supply Wells: 0

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification: L Risk Class Based On Review: L

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 30E

Phase Of LSA Page: Not reported

Phase Of LSA Req: Not reported Site Risk Reason: Not reported Land Use: Residential MTBE: No Unknown

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

GLENDALE HOSIERY CO. (Continued)

U001192983

EDR ID Number

Flag: No Flag1: No

LUR Filed: Not reported

Release Detection: 0

Current Status: File Located in House

RBCA GW: Not reported

PETOPT: 3 RPL: False CD Num: Not reported Reel Num: Not reported RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: False

Lat/Long Decimal: 35.7318 -79.4480
Testlat: Not reported
Regional Officer Project Mgr: ccw
Region: RAL

Company: GLENDALE HOSIERY CO

Contact Person: GLENN FLOYD
Telephone: 919-663-2200
RP Address: P.O. BOX 686

RP City,St,Zip: SILER CITY, NC 27344-

RP County: Not reported

Comments: 10/25/2002 - Quickie file review to Conf Risk - L; GW samples <

GCL's; 30E; No apparent receptors; -MAZ

5 Min Quad: Not reported

PIRF:

Facility Id: 10572

Date Occurred: 1992-01-03 00:00:00
Date Reported: 1993-07-22 00:00:00

Description Of Incident: SOIL CONTAMINATION DISCOVERED UPON REMOVAL OF TANKS.

Owner/Operator: GLENN FLOYD

 Ownership:
 4

 Operation Type:
 6

 Type:
 3

 Location:
 1

 Site Priority:
 30E

Priority Update: 1998-04-16 00:00:00

Wells Affected Y/N: Not reported

Samples Include: 0

7#5 Minute Quad: Not reported 5 Minute Quad: Not reported Pirf/Min Soil: Not reported Release Code: Not reported Source Code: Min_Soil Not reported Err Type: Not reported Cause: Source: Not reported Ust Number: Not reported

Last Modified: Not reported Incident Phase: Response

NOV Issued: Not reported

NORR Issued: Not reported

45 Day Report: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

GLENDALE HOSIERY CO. (Continued)

U001192983

Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported **RS** Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

UST:

Facility Id: 00-0-0000011069

GLENDALE HOSIERY COMPANY Contact:

Contact Address1: P.O. BOX 686 Contact Address2: Not reported

SILER CITY, NC 27344 Contact City/State/Zip:

FIPS County Desc: Chatham Latitude: n Longitude: 0

Tank Id:

Tank Status: Removed Installed Date: 03/09/1961 06/04/1991 Perm Close Date: Product Key: Product Name: Diesel Tank Capacity: 15000 Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel Piping Construction: Single Wall Steel Piping System Key: Unknown Other CP Tank: Not reported Overfill Protection Key:

Unknown Overfill Protection Name: Spill Protection Key: Spill Protection Name: Unknown Leak Detection Key: Leak Detection Name: Unknown Decode for TCONS_KEY: Single Wall Steel Decode for PCONS_KEY: Single Wall Steel Decode for PSYS_KEY: Unknown

Tank Id: 2

Tank Status: Removed 03/09/1961 Installed Date: 06/04/1991 Perm Close Date: Product Key: 2 Product Name: Fuel Oil

Tank Capacity: 15000 Not reported Root Tank Id:

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

GLENDALE HOSIERY CO. (Continued)

Commercial: Yes Regulated: No

Tank Construction: Single Wall Steel
Piping Construction: Single Wall Steel
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key:

Overfill Protection Name: Unknown

Spill Protection Key: 1

Spill Protection Name: Unknown

Leak Detection Key: -1

Leak Detection Name:
Decode for TCONS_KEY:
Decode for PCONS_KEY:
Decode for PSYS_KEY:
Unknown
Unknown
Unknown
Unknown
Unknown

Tank ld: 3

Tank Status: Removed Installed Date: 03/05/1976 Perm Close Date: 10/01/1979

Product Key: 3

Product Name: Gasoline, Gas Mix

Tank Capacity: 1000

Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel
Piping Construction: Single Wall Steel
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 1

Overfill Protection Name: Unknown

Spill Protection Key: 1

Spill Protection Name:

Leak Detection Key:

Leak Detection Name:

Decode for TCONS_KEY:

Decode for PCONS_KEY:

Single Wall Steel

Single Wall Steel

Decode for PSYS_KEY: Unknown

Tank Id:

Tank Status: Removed
Installed Date: 03/09/1961
Perm Close Date: 05/01/1969
Product Key: 2
Product Name: Fuel Oil
Tank Capacity: 500
Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: No

EDR ID Number

U001192983

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

GLENDALE HOSIERY CO. (Continued)

U001192983

Regulated: No

Single Wall Steel Tank Construction: Piping Construction: Single Wall Steel Piping System Key: Unknown Other CP Tank: Not reported

Overfill Protection Key:

Overfill Protection Name: Unknown Spill Protection Key: 1 Spill Protection Name: Unknown Leak Detection Key: Leak Detection Name: Unknown Single Wall Steel Decode for TCONS KEY: Decode for PCONS_KEY: Single Wall Steel

IMD:

RAL Region: Facility ID: 10572 Date Occurred: 1/27/1992 Submit Date: 7/22/1993

Decode for PSYS_KEY:

GW Contam: Yes, Groundwater Contamination has been detected

Unknown

Soil Contam:

Incident Desc: SOIL CONTAMINATION DISCOVERED UPON REMOVAL OF TANKS.

GLENN FLOYD Operator: 919-663-2200 Contact Phone:

Owner Company: GLENDALE HOSIERY CO

Operator Address:P.O. BOX 686 Operator City: SILER CITY

Oper City, St, Zip: SILER CITY, NC 27344-

Ownership: Private Operation: Commercial Material: DIESEL Qty Lost 1: Not reported Qty Recovered 1: Not reported Source: Leak-underground Gasoline/diesel Type: Facility Location:

Setting: Industrial Risk Site: L 30E Site Priority: Priority Code:

Priority Update: 4/16/1998 Dem Contact: MAF Wells Affected: Not reported

Num Affected:

Wells Contam: Not reported Sampled By: Not reported Samples Include: Not reported

7.5 Min Quad: Not reported 5 Min Quad: Not reported Latitude: 35.7315 Longitude: -79.4486 Not reported Latitude Number: Longitude Number: Not reported Latitude Decimal: Not reported Longitude Decimal: Not reported GPS: NOD

Direction Distance

Elevation Site Database(s) **EPA ID Number**

GLENDALE HOSIERY CO. (Continued)

U001192983

LAST S110628816

N/A

EDR ID Number

Agency: DWM Facility ID: 10572 Last Modified: Not reported

Incident Phase: RE NOV Issued:

Not reported NORR Issued: Not reported Not reported 45 Day Report: Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

NO

9 SILER CITY CHEVROLET 1402 EST 11TH STREET **East** < 1/8 SILER CITY, NC

0.018 mi. 94 ft.

LAST: Relative: Facility ID: Lower

UST Number: RA-87978 Actual: 87978 Incident Number: 600 ft.

Contamination Type: Source Type:

Product Type: Ν Date Reported: 12/29/2004 Date Occur: 12/29/2004

Cleanup: Not reported Closure Request: Not reported Close Out: Not reported

Level Of Soil Cleanup Achieved: Not reported Tank Regulated Status: Not reported # Of Supply Wells:

Not reported

Commercial/NonCommercial UST Site: Not reported Risk Classification: Not reported

Risk Class Based On Review:

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported Site Priority: 120

Phase Of LSA Req: Not reported Site Risk Reason: Not reported

Land Use: Not reported MTBE: No MTBE1: Unknown Flag: No Flag1: No

LUR Filed: Not reported

Release Detection: **Current Status:** С

RBCA GW: Not reported PETOPT: Not reported RPL: False CD Num: 0

Direction Distance Elevation

Site Database(s) EPA ID Number

SILER CITY CHEVROLET (Continued)

S110628816

EDR ID Number

 Reel Num:
 0

 RPOW:
 False

 RPOP:
 False

 Error Flag:
 0

Error Code: Not reported Valid: False

Lat/Long: 35.73138 -79.44638 Lat/Long Decimal: 35.73138 -79.44638 Testlat: Not reported

Regional Officer Project Mgr:
Region:
RAL
Company:
UNK
Contact Person:
Not reported
Telephone:
RP Address:
Not reported
Not reported
Not reported

RP City,St,Zip: NC

RP County: Not reported

Comments: Not reported 5 Min Quad: Not reported

PIRF:

Facility Id: 87978

Date Occurred: Not reported

Date Reported: Not reported

Description Of Incident: Not reported

Owner/Operator: Not reported

Ownership: 0
Operation Type: 0

Type: Not reported Location: Not reported Site Priority: 120B Priority Update: Not reported Wells Affected Y/N: Not reported Wells Affected Number: Not reported Samples Taken By: Not reported Samples Include: Not reported 7#5 Min Quad: Not reported 5 Min Quad: Not reported Pirf/Min Soil: Not reported Not reported Release Code: Not reported Cause: Not reported Source:

Source Type:

Last Modified: 1/4/2007 Incident Phase: AS

NOV Issued: Not reported NORR Issued: Not reported Not reported 45 Day Report: Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

C10 **EDR Hist Auto** 1015143318 SSW 1066 E 3RD ST

N/A

SILER CITY, NC 27344 < 1/8

0.027 mi.

145 ft. Site 1 of 4 in cluster C

Relative:

EDR Historical Auto Stations:

Higher

FIELDS BODY SHOP Name:

Actual:

Year: 2006 Address: 1066 E 3RD ST

609 ft.

Name: Year:

FIELDS BODY SHOP

2007

1066 E 3RD ST Address:

FIELDS BODY SHOP C11 RCRA NonGen / NLR 1000889096 SW 1006 E 3RD ST NC0000202465

< 1/8 SILER CITY, NC 27344

0.035 mi.

Site 2 of 4 in cluster C 187 ft.

Relative:

RCRA NonGen / NLR:

Higher

Date form received by agency: 07/09/2013

Facility name: Facility address: FIELDS BODY SHOP 1006 E 3RD ST

Actual: 613 ft.

SILER CITY, NC 27344

EPA ID: NC0000202465

Mailing address: PO BOX 73

SILER CITY, NC 27344

Contact: ATHONY OLDHAM

Contact address: PO BOX 73

SILER CITY, NC 27344

Contact country: US

Contact telephone: (919) 742-2423 Contact email: Not reported EPA Region: 04

Land type: Private

Classification: Non-Generator

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

FIELDS BODY SHOP Owner/operator name: Owner/operator address: 1006 E 3RD ST

SILER CITY, NC 27344

Owner/operator country: Not reported (919) 742-2423 Owner/operator telephone: Legal status: Private Owner/Operator Type: Owner

Owner/Op start date: Not reported Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Map ID MAP FINDINGS
Direction

Distance EDR ID Number Elevation Site EDR ID Number Database(s) EPA ID Number

FIELDS BODY SHOP (Continued)

1000889096

Furnace exemption: No Used oil fuel burner: No Used oil processor: Nο User oil refiner: No Used oil fuel marketer to burner: Nο Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: Nο

Historical Generators:

Date form received by agency: 04/12/1994

Site name: FIELDS BODY SHOP

Classification: Conditionally Exempt Small Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: F001

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:

 ${\tt TETRACHLOROETHYLENE,\,TRICHLORETHYLENE,\,METHYLENE\,\,CHLORIDE,\,}\\ {\tt 1,1,1-TRICHLOROETHANE,\,CARBON\,\,TETRACHLORIDE\,\,AND\,\,CHLORINATED}$

FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED

IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002

Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

SPENT SOLVENT MIXTURES.

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

. Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

FIELDS BODY SHOP (Continued)

1000889096

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 07/03/2013

Evaluation: FOCUSED COMPLIANCE INSPECTION

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

09/26/1997 Evaluation date:

Evaluation: COMPLIANCE ASSISTANCE VISIT

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

C12 1015122972 **EDR Hist Auto** SW 1006 E 3RD ST N/A

< 1/8 SILER CITY, NC 27344

0.035 mi.

187 ft. Site 3 of 4 in cluster C

EDR Historical Auto Stations: Relative:

Name: FIELDS BODY SHOP Higher Year: 1999

Actual: Address: 1006 E 3RD ST

613 ft.

Name: FIELDS BODY SHOP

Year: 2000

> Address: 1006 E 3RD ST

Name: FIELDS BODY SHOP

Year: 2001

1006 E 3RD ST Address:

Name: FIELDS BODY SHOP

Year: 2002

1006 E 3RD ST Address:

FIELDS BODY SHOP Name:

Year: 2003

Address: 1006 E 3RD ST

FIELDS BODY SHOP Name:

Year: 2004

Address: 1006 E 3RD ST

Name: FIELDS BODY SHOP

Year: 2005

Address: 1006 E 3RD ST

Name: FIELDS BODY SHOP

Year: 2008

Address: 1006 E 3RD ST

FIELDS BODY SHOP Name:

2010 Year:

Direction Distance

Elevation Site Database(s) **EPA ID Number**

(Continued) 1015122972

Address: 1006 E 3RD ST

FIELDS BODY SHOP Name:

Year: 2011

Address: 1006 E 3RD ST

Name: FIELDS BODY SHOP

Year: 2012

1006 E 3RD ST Address:

HOMETOWN CLEANERS C13 **DRYCLEANERS** S117666621

SW 901 E 3RD ST

< 1/8 SILER CITY, NC

0.053 mi.

282 ft. Site 4 of 4 in cluster C

Relative: Higher

DRYCLEANERS:

HOMETOWN CLEANERS Facility Name:

Facility ID: 190002C Actual: Inspection Date: 12/12/2014 611 ft.

Full Service (Active) Service Type: Solvent 1: Perchloroethylene solvent 2: Not reported

D14 NC DOT - SILER CITY (DIV EIGHT) LUST U003137905 **East** 1404 EAST RALEIGH STREET UST N/A

SILER CITY, NC 27344 < 1/8

0.061 mi.

323 ft. Site 1 of 4 in cluster D

LUST: Relative:

Facility ID: Lower

Not reported UST Number: RA-2327 Actual: Incident Number: 14972

590 ft. Contamination Type: GW Source Type: Leak-underground

Product Type: Р

> Date Reported: 07/01/1992 Date Occur: 11/20/1992 Cleanup: 09/25/1992 Closure Request: Not reported Close Out: Not reported

Level Of Soil Cleanup Achieved: Not reported

Tank Regulated Status: R

Of Supply Wells:

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification: L

Risk Class Based On Review: L

Corrective Action Plan Type: monitoring only

NOV Issue Date: Not reported NORR Issue Date: Not reported Site Priority: 60E

Phase Of LSA Reg: Not reported Site Risk Reason: Not reported Land Use: Not reported

MTBE: No **EDR ID Number**

N/A

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

NC DOT - SILER CITY (DIV EIGHT) (Continued)

U003137905

MTBE1: No Flag: No Flag1: Nο

LUR Filed: Not reported

Release Detection:

Current Status: File Located in House

RBCA GW: Not reported

PETOPT: RPL: False CD Num: Not reported Not reported Reel Num: RPOW: False RPOP: False Error Flag: Error Code: Ν False Valid:

Lat/Long Decimal: 35.7313 -79.4433 Testlat: Not reported

Regional Officer Project Mgr: CED Region: **RAL** Company: **NCDOT** Contact Person: **ERIC MOTZNO** Telephone: 919-733-2220 RP Address: 4809 BERYL DRIVE RP City,St,Zip: RALEIGH, NC 27606-

RP County: Not reported

Comments: A 2ND CSA REC. 1/10/96. HEATING OIL REL.INC.#14972 ON SITE.PLAN AS, VE

IN CAP. 10/25 Not reported

PIRF:

5 Min Quad:

Facility Id: 14972

Date Occurred: 1992-11-20 00:00:00 Date Reported: 1998-06-18 00:00:00

SOIL CONTAM. CONFIRMED UPON REMOVAL OF USTS. Description Of Incident:

Owner/Operator: **ERIC MOTZNO**

Ownership: 7 Operation Type: 1 Type: 3 Location: 1 Site Priority: 60E

Priority Update: 1998-07-09 00:00:00

Wells Affected Y/N: Ν

Samples Include: Not reported

7#5 Minute Quad: 3 5 Minute Quad: 2

Pirf/Min Soil: Not reported Release Code: L491 Source Code: Pirf

Not reported Err Type: Not reported Cause: Source: Not reported Ust Number: Not reported

Last Modified: Not reported Incident Phase: Response NOV Issued: Not reported Not reported NORR Issued:

Direction Distance Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

NC DOT - SILER CITY (DIV EIGHT) (Continued)

U003137905

45 Day Report: Not reported Not reported Public Meeting Held: Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

 Facility ID:
 00-0-000

 UST Number:
 RA-5485

 Incident Number:
 33027

Contamination Type: GW Source Type: Leak-underground

Product Type: P

 Date Reported:
 03/10/2006

 Date Occur:
 02/02/2006

 Cleanup:
 02/02/2006

 Closure Request:
 Not reported

 Close Out:
 06/26/2006

Level Of Soil Cleanup Achieved: Soil to Groundwater

Tank Regulated Status:

Of Supply Wells: 0

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification: L Risk Class Based On Review: L

Corrective Action Plan Type: Not reported

NOV Issue Date:
NORR Issue Date:
Site Priority:
Phase Of LSA Req:
Site Risk Reason:
Land Use:
Not reported

MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported

Release Detection: 0

Current Status: File Located in Archives
RBCA GW: Cleanups to 2L.0202 standards

PETOPT: 5 RPL: False CD Num: 347 309 Reel Num: RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: False

Lat/Long Decimal: 35.7276 -79.4450
Testlat: Not reported
Regional Officer Project Mgr: JFM
Region: RAL
Company: NCDOT
Contact Person: ERIC MOTZNO
Telephone: 9198358007

Direction Distance

Elevation Site Database(s) EPA ID Number

NC DOT - SILER CITY (DIV EIGHT) (Continued)

U003137905

EDR ID Number

RP Address: 4809 BERYL ROAD RP City,St,Zip: RALEIGH, NC 27606-

RP County: Not reported

Comments: One (01) 2K-gallon Waste oil UST. 03/14/2006, JFM///

5 Min Quad: Not reported

PIRF:

Facility Id: 33027

 Date Occurred:
 2006-02-02 00:00:00

 Date Reported:
 2006-03-10 00:00:00

Description Of Incident: One (01) 2K-gallon Waste oil UST. 03/14/2006, JFM///

Owner/Operator: Not reported

 Ownership:
 7

 Operation Type:
 1

 Type:
 5

 Location:
 1

Site Priority: Not reported Priority Update: Not reported

Wells Affected Y/N: N

Samples Include: Not reported

7#5 Minute Quad:

5 Minute Quad: Not reported Pirf/Min Soil: Not reported Release Code: Not reported Source Code: Not reported

Err Type: 2

Cause: Not reported Source: Not reported

Ust Number: P

Last Modified: 2006-06-26 00:00:00

Incident Phase: **Closed Out** NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported Not reported RS Designation: Closure Request Date: Not reported Close-out Report: Not reported

Facility ID: Not reported UST Number: RA-1173 Incident Number: 8014

Contamination Type: GW Source Type: Leak-underground

Product Type: P

 Date Reported:
 01/28/1992

 Date Occur:
 01/28/1992

 Cleanup:
 01/28/1992

 Closure Request:
 Not reported

 Close Out:
 05/22/1992

Level Of Soil Cleanup Achieved: Not reported

Tank Regulated Status: N

Of Supply Wells: 0

Commercial/NonCommercial UST Site: NON COMMERCIAL

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

NC DOT - SILER CITY (DIV EIGHT) (Continued)

U003137905

Risk Classification: L
Risk Class Based On Review: L

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported

Site Priority: E

Phase Of LSA Req: Not reported Site Risk Reason: Not reported Land Use: Not reported MTBE: No

MTBE: No
MTBE1: Yes
Flag: No
Flag1: No
LUR Filed: Not reported

Release Detection: 0

Current Status: File Located in Archives

RBCA GW: Not reported

PETOPT: RPL: False CD Num: 84 Reel Num: 233 RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: False

Lat/Long Decimal: 35.7313 -79.4433
Testlat: Not reported
Regional Officer Project Mgr: MAF
Region: RAL

Company: DOT-DIVISION OF HIGHWAYS

Contact Person: JOHN BURNS
Telephone: 9197332220
RP Address: Not reported
RP City,St,Zip: RALEIGH, NC 27606-

RP County: Not reported

Comments: RELEASE ASSOCIATED WITH 550 gal HEATING OIL UST. SEPARATE RELEASE

#14972.

5 Min Quad: Not reported

PIRF:

Facility Id: 8014

 Date Occurred:
 1992-01-28 00:00:00

 Date Reported:
 1992-06-03 00:00:00

Description Of Incident: CONTAMINATION FOUND DURING UST REMOVAL

Owner/Operator: JOHN BURNS

Ownership: 7

Operation Type: Not reported

Type: 4 Location: 1

Site Priority: Not reported Priority Update: Not reported Wells Affected Y/N: Not reported

Samples Include: 0
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported

Direction
Distance
Elevation

stance EDR ID Number evation Site Database(s) EPA ID Number

NC DOT - SILER CITY (DIV EIGHT) (Continued)

U003137905

Source Code: Min_Soil
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: Not reported **Closed Out** Incident Phase: NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

UST:

Facility Id: 00-0-0000025558

Contact: NC DOT - EQUIPMENT UNIT

Contact Address1: 4809 BERYL ROAD

Contact Address2: Not reported

Contact City/State/Zip: RALEIGH, NC 27606-1406

FIPS County Desc: Chatham Latitude: 35.72974 Longitude: -79.4445

 Tank Id:
 806-1

 Tank Status:
 Removed

 Installed Date:
 09/26/1971

 Perm Close Date:
 12/31/1992

Product Key: 3

Product Name: Gasoline, Gas Mix

Tank Capacity: 10000

Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel
Piping Construction: Single Wall Steel
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 1

Overfill Protection Name: Unknown

Spill Protection Key: 1

Spill Protection Name: Unknown
Leak Detection Key: -1
Leak Detection Name: Unknown
Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Single Wall Steel

Decode for PSYS_KEY: Unknown

Direction
Distance

Elevation Site Database(s) EPA ID Number

NC DOT - SILER CITY (DIV EIGHT) (Continued)

U003137905

EDR ID Number

 Tank Id:
 806-103

 Tank Status:
 Removed

 Installed Date:
 08/21/1992

 Perm Close Date:
 02/02/2006

Product Key: 14

Product Name: Oil, New/Used/Mix

Tank Capacity: 2000 Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel/FRP
Piping Construction: Single Wall FRP
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 2
Overfill Protection Name: None
Spill Protection Key: 4

Spill Protection Name: Catchment Basin

Leak Detection Key: -1

Leak Detection Name: Unknown

Decode for TCONS_KEY: Single Wall Steel/FRP
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

 Tank Id:
 806-2

 Tank Status:
 Removed

 Installed Date:
 09/26/1971

 Perm Close Date:
 12/31/1992

Product Key: 1
Product Name: Diesel
Tank Capacity: 10000
Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel
Piping Construction: Single Wall Steel
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 1

Overfill Protection Name: Unknown
Spill Protection Key: 1
Spill Protection Name: Unknown
Leak Detection Key: -1
Leak Detection Name: Unknown
Decode for TCONS_KEY: Single Wall Steel

Decode for PCONS_KEY: Single Wall Steel Decode for PSYS_KEY: Unknown

Tank Id: 806-3

Direction Distance

Elevation Site Database(s) EPA ID Number

NC DOT - SILER CITY (DIV EIGHT) (Continued)

U003137905

EDR ID Number

Tank Status: Removed Installed Date: 09/27/1965
Perm Close Date: 12/01/1973

Product Key: 3

Product Name: Gasoline, Gas Mix

Tank Capacity: 6500
Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel
Piping Construction: Single Wall Steel
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 1

Overfill Protection Name: Unknown

Spill Protection Key: 1

Spill Protection Name: Unknown Leak Detection Key: -1

Leak Detection Name: Unknown

Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Single Wall Steel
Decode for PSYS_KEY: Unknown

Tank Id: C.0806101
Tank Status: Current
Installed Date: 08/19/1992
Perm Close Date: Not reported

Product Key: 3

Product Name: Gasoline, Gas Mix

Tank Capacity: 15000
Root Tank Id: Not reported

Main Tank: No
Compartment Tank: No
Manifold Tank: 0
Commercial: Yes
Regulated: Yes

Tank Construction: Single Wall Steel/FRP
Piping Construction: Single Wall FRP
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 5

Overfill Protection Name: Ball Float Valve

Spill Protection Key: 4

Spill Protection Name: Catchment Basin

Leak Detection Key: 3

Leak Detection Name: MLLD

Decode for TCONS_KEY: Single Wall Steel/FRP
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

Tank Id: C.0806102
Tank Status: Current

Direction Distance

Elevation Site Database(s) EPA ID Number

NC DOT - SILER CITY (DIV EIGHT) (Continued)

Installed Date: 08/19/1992
Perm Close Date: Not reported

Product Key: 1
Product Name: Diesel
Tank Capacity: 15000
Root Tank Id: Not reported

Main Tank:NoCompartment Tank:NoManifold Tank:0Commercial:YesRegulated:Yes

Tank Construction: Single Wall Steel/FRP
Piping Construction: Single Wall FRP
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 5

Overfill Protection Name: Ball Float Valve

Spill Protection Key: 4

Spill Protection Name: Catchment Basin

Leak Detection Key: 3
Leak Detection Name: MLLD

Decode for TCONS_KEY: Single Wall Steel/FRP
Decode for PCONS_KEY: Single Wall FRP
Decode for PSYS_KEY: Unknown

 Tank Id:
 UST-133

 Tank Status:
 Removed

 Installed Date:
 09/26/1969

 Perm Close Date:
 12/01/1973

Product Key: 8

Product Name: Kerosene, Kero Mix

Tank Capacity: 1000
Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel
Piping Construction: Single Wall Steel
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 1

Overfill Protection Name: Unknown

Spill Protection Key: 1

Spill Protection Name:
Leak Detection Key:
Leak Detection Name:
Unknown
Unknown
Decode for TCONS_KEY:
Decode for PCONS_KEY:
Single Wall Steel
Single Wall Steel

Decode for PSYS_KEY: Unknown

Tank Id: UST-208
Tank Status: Removed
Installed Date: 09/25/1972

U003137905

EDR ID Number

Direction Distance Elevation

ation Site Database(s) EPA ID Number

NC DOT - SILER CITY (DIV EIGHT) (Continued)

Perm Close Date: 12/31/1992

Product Key: 14

Product Name: Oil, New/Used/Mix

Tank Capacity: 5000
Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported Commercial: Yes

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel
Piping Construction: Single Wall Steel
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 1

Overfill Protection Name: Unknown

Spill Protection Key: 1

Spill Protection Name: Unknown

Leak Detection Key: -1

Leak Detection Name:

Decode for TCONS_KEY:

Decode for PCONS_KEY:

Decode for PSYS_KEY:

Unknown

Unknown

Single Wall Steel
Unknown

 Tank Id:
 UST-405

 Tank Status:
 Removed

 Installed Date:
 09/25/1975

 Perm Close Date:
 07/21/1992

Product Key: 3

Product Name: Gasoline, Gas Mix

Tank Capacity: 10000
Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel
Piping Construction: Single Wall Steel
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 1

Overfill Protection Name: Unknown

Spill Protection Key: 1

Spill Protection Name: Unknown Leak Detection Key: -1

Leak Detection Name: Unknown

Decode for TCONS_KEY: Single Wall Steel
Decode for PCONS_KEY: Single Wall Steel
Decode for PSYS_KEY: Unknown

U003137905

EDR ID Number

Direction Distance

Elevation Site Database(s) EPA ID Number

D15 NC DOT-CHATHAM CO.MAINT. IMD \$105765115 East 1404 EAST RALEIGH ST. N/A

East 1404 EAST RALEIGH ST. < 1/8 SILER CITY, NC

0.061 mi.

323 ft. Site 2 of 4 in cluster D

Relative: IMD:

Lower Region: RAL Facility ID: 14972

Actual: Date Occurred: 11/20/1992 590 ft. Submit Date: 6/18/1998

GW Contam: Yes, Groundwater Contamination has been detected

Soil Contam: No

Incident Desc: SOIL CONTAM. CONFIRMED UPON REMOVAL OF USTS.

Operator: ERIC MOTZNO
Contact Phone: 919-733-2220
Owner Company: NCDOT

Operator Address:4809 BERYL DRIVE

Operator City: RALEIGH

Oper City, St, Zip: RALEIGH, NC 27606-

Ownership: State

Public Service Operation: Material: **GASOLINE** Qty Lost 1: Not reported Qtv Recovered 1: Not reported Material: DIESEL Qty Lost: Not reported Qty Recovered: Not reported WASTE OIL Material: Qty Lost: Not reported Qty Recovered 3: Not reported Source: Leak-underground Gasoline/diesel Type:

Location: Facility
Setting: Urban
Risk Site: L
Site Priority: 60E
Priority Code: L
Priority Update: 7/9/1998
Dem Contact: MAF
Wells Affected: No

Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples

7.5 Min Quad: Not reported

5 Min Quad: L49I

 Latitude:
 35.73138888

 Longitude:
 -79.44333333

 Latitude Number:
 354353

 Longitude Number:
 792636

GPS: NOD
Agency: DWM
Facility ID: 14972
Last Modified: Not reported

Incident Phase: RE

NOV Issued: Not reported

EDR ID Number

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

NC DOT-CHATHAM CO.MAINT. (Continued)

S105765115

NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

D16 NC DOT-SILER CITY (1992) IMD S105764963 **1404 EAST RALEIGH STREET East** N/A

< 1/8 SILER CITY, NC

0.061 mi.

Site 3 of 4 in cluster D 323 ft.

IMD: Relative:

Lower Region: RAL

Facility ID: 8014 Actual: Date Occurred: 1/28/1992 590 ft. Submit Date: 6/3/1992

> GW Contam: Yes, Groundwater Contamination has been detected

Soil Contam:

Incident Desc: CONTAMINATION FOUND DURING UST REMOVAL

JOHN BURNS Operator: Contact Phone: 9197332220

Owner Company: DOT-DIVISION OF HIGHWAYS

Operator Address:Not reported Operator City: **RALEIGH**

Oper City,St,Zip: RALEIGH, NC 27606-

Ownership: State Operation: Not reported **HEATING OIL** Material: Qty Lost 1: Not reported Qty Recovered 1: Not reported Source: Leak-underground Type: Gasoline/diesel

Location: Facility Setting: Rural Risk Site: Not reported Site Priority: Not reported Priority Code: Not reported Priority Update: Not reported Dem Contact: MAF

Wells Affected: Not reported

Num Affected:

Wells Contam: Not reported Sampled By: Not reported Samples Include: Not reported

7.5 Min Quad: Not reported 5 Min Quad: Not reported Latitude: 35.73138888 -79.44333333 Longitude: Latitude Number: 354353 Longitude Number: 792636

Latitude Decimal: 35.7313888888889 Longitude Decimal: 79.4433333333333

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

NC DOT-SILER CITY (1992) (Continued)

S105764963

S107671989

N/A

IMD

GPS: DWM Agency: Facility ID: 8014 Last Modified: 3/3/1999 Incident Phase: Closed Out NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: 5/22/1992

LUST TRUST

D17 **NCDOT-SILER CITY** 1404 EAST RALEIGH ST **East** < 1/8 SILER CITY, NC

0.061 mi.

323 ft. Site 4 of 4 in cluster D

LUST TRUST: Relative:

Facility ID: Not reported Lower Site ID: 14972

Actual: Site Note: Not reported

590 ft. Site Eligible?: True

100% Commercial Commercial Find: Priority Rank: Not reported **Deductable Amount:** 20000 3rd Party Deductable Amt: Sum 3rd Party Amt Applied: 0

> Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

IMD:

Region: Not reported Facility ID: 33027 Date Occurred: 2/2/2006 Submit Date: 3/10/2006

GW Contam: Yes, Groundwater Contamination has been detected

Soil Contam:

Incident Desc: One (01) 2K-gallon Waste oil UST. 03/14/2006, JFM///

Operator: **ERIC MOTZNO** Contact Phone: 9198358007 Owner Company: NCDOT Operator Address:4809 BERYL ROAD

Operator City: **RALEIGH**

Oper City, St, Zip: RALEIGH, NC 27606-

Ownership: State Operation: Public Service Material: Not reported Qty Lost 1: Not reported Qty Recovered 1: Not reported Leak-underground Source:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

NCDOT-SILER CITY (Continued)

S107671989

Type: Gasoline/diesel Location: Facility

Setting: Not reported

Risk Site: L

Site Priority: Not reported Priority Code: Not reported Priority Update: Not reported Dem Contact: JFM Wells Affected: No

Num Affected: Not reported Not reported Wells Contam:

Sampled By:

Samples Include: Not reported

7.5 Min Quad: Not reported 5 Min Quad: Not reported Latitude: 35.7275 -79.445 Longitude: Latitude Number: 354339 Longitude Number: 792642 Latitude Decimal: 35.7275 Longitude Decimal: 79.445 GPS: 7

Agency: DWM Facility ID: 33027 Last Modified: 6/26/2006 Closed Out Incident Phase: NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

TANK AND TUMMY #3 18 **ENE HWY 64 AND 3RD STREET**

< 1/8 SILER CITY, NC

0.087 mi. 462 ft.

IMD: Relative:

Region: RAL Lower

Facility ID: 16359 Actual: Date Occurred: 1/17/1995 591 ft. 10/10/1996 Submit Date:

GW Contam: Yes, Groundwater Contamination has been detected

Soil Contam:

SOIL CONTAM. WAS CONFIRMED AT 1210 PPM. Incident Desc:

MR. RICHARD PUGH Operator:

Contact Phone: 910-629-2061

Owner Company: PUGH OIL COMPANY Operator Address:PO BOX 4006

Operator City: **ASHEBORO**

Oper City, St, Zip: ASHEBORO, NC 27204-

IMD

S102443201

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

TANK AND TUMMY #3 (Continued)

S102443201

EDR ID Number

Ownership: Private Operation: Commercial GASOLINE Material: Qty Lost 1: Not reported Qty Recovered 1: Not reported DIESEL Material: Qty Lost: Not reported Qty Recovered: Not reported Source: Leak-underground Type: Gasoline/diesel

Location: Facility
Setting: Urban
Risk Site: L
Site Priority: 20E
Priority Code: L

Priority Update: 4/16/1998 Dem Contact: MAF Wells Affected: No Num Affected: 0

Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples

7.5 Min Quad: Not reported 5 Min Quad: L49I Latitude: Not reported Longitude: Not reported Latitude Number: Not reported Longitude Number: Not reported Latitude Decimal: Not reported Longitude Decimal: Not reported GPS: NOD Agency: DWM Facility ID: 16359

Incident Phase: RE

NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported **RS** Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

E19 QUALITY MOLDED PRODUCTS, INC..

Last Modified:

South 920 E. RALEIGH ST. < 1/8 SILER CITY, NC 27344

0.102 mi.

538 ft. Site 1 of 2 in cluster E

Relative: UST:

Lower Facility ld: 00-0-0000007997

Contact: QUALITY MOLDED PRODUCTS, INC.

Not reported

Actual: Contact Address1: 920 E. RALEIGH ST. 599 ft. Contact Address2: Not reported

U003143572

N/A

UST

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

QUALITY MOLDED PRODUCTS, INC.. (Continued)

U003143572

Contact City/State/Zip: SILER CITY, NC 27344

FIPS County Desc: Chatham Latitude: n Longitude: 0

Tank Id:

Tank Status: Removed Installed Date: 03/02/1961 Perm Close Date: 12/31/1988

Product Key: 3

Product Name: Gasoline, Gas Mix

500 Tank Capacity: Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel Single Wall Steel Piping Construction: Piping System Key: Unknown Other CP Tank: Not reported Overfill Protection Kev:

Overfill Protection Name: Unknown Spill Protection Key: Spill Protection Name: Unknown Leak Detection Key: -1

Leak Detection Name: Unknown Decode for TCONS_KEY: Single Wall Steel Decode for PCONS_KEY: Single Wall Steel Decode for PSYS_KEY: Unknown

ENGINEERED PLASTIC COMPONENTS INC E20

RCRA-SQG 920 E RALEIGH ST

SILER CITY, NC 27344 < 1/8 0.102 mi.

South

Site 2 of 2 in cluster E 538 ft.

RCRA-SQG: Relative:

Date form received by agency: 08/13/2012 Lower

Facility name: ENGINEERED PLASTIC COMPONENTS INC

Actual: Facility address: 920 E RALEIGH ST 599 ft.

SILER CITY, NC 273440725 EPA ID: NCR000008474

Mailing address: E RALEIGH ST

SILER CITY, NC 273440725

Contact: CALVIN HICKS Contact address: E RALEIGH ST

SILER CITY, NC 27344

US Contact country:

Contact telephone: 919-633-3141

Contact email: CHICKS@EPCMFG.COM

EPA Region: 04 Land type: Private

Classification: Small Small Quantity Generator

Description: Handler: generates more than 100 and less than 1000 kg of hazardous

waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous

1001221079

NCR000008474

Direction Distance Elevation

Site Database(s) EPA ID Number

ENGINEERED PLASTIC COMPONENTS INC (Continued)

1001221079

EDR ID Number

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: ENGINEERED PLASTIC COMPONENTS INC

Owner/operator address: EAST RALEIGH ST SILER CITY, NC 27344

Owner/operator country: US

Owner/operator telephone: 919-663-3141
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/06/2012
Owner/Op end date: Not reported

Owner/operator name: REZA KARGARZADEH
Owner/operator address: ZIMMERMAN DR. SOUTH

GRINNELL, IA 50112

Owner/operator country: US

Owner/operator telephone: 641-236-3100
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/09/2012
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Used oil transporter: No

Waste code: D001

Waste name: IGNITABLE WASTE

Waste code: D018
Waste name: BENZENE

Waste code: D035

Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: D040

. Waste name: TRICHLORETHYLENE

Map ID MAP FINDINGS
Direction

Distance Elevation

on Site Database(s) EPA ID Number

ENGINEERED PLASTIC COMPONENTS INC (Continued)

1001221079

EDR ID Number

. Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Historical Generators:

Date form received by agency: 07/28/2005
Site name: ORC PLASTICS
Classification: Small Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D006 . Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

Waste code: D018

. Waste name: BENZENE

Waste code: D027

. Waste name: 1,4-DICHLOROBENZENE

Waste code: D035

Waste name: METHYL ETHYL KETONE

Waste code: D039

Waste name: TETRACHLOROETHYLENE

. Waste code: D040

Waste name: TRICHLORETHYLENE

Waste code: F003

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED

Direction Distance Elevation

Site Database(s) EPA ID Number

ENGINEERED PLASTIC COMPONENTS INC (Continued)

1001221079

EDR ID Number

SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 12/19/2002
Site name: ORC PLASTICS
Classification: Small Quantity Generator

Date form received by agency: 02/03/1998

Site name: ONEIDA MOLDED PLASTICS Classification: Small Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D006 . Waste name: CADMIUM

Waste code: D008
Waste name: LEAD

. Waste code: D018 . Waste name: BENZENE

. Waste code: D027

. Waste name: 1,4-DICHLOROBENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

Waste code: D040

Waste name: TRICHLORETHYLENE

Waste code: F003

Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL

BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

MIXTURES.

Direction Distance

Elevation Site Database(s) EPA ID Number

ENGINEERED PLASTIC COMPONENTS INC (Continued)

1001221079

EDR ID Number

. Waste code: F005

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL

KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated:

Not reported

Area of violation: Generators - General

Date violation determined: 01/10/2006
Date achieved compliance: 02/13/2006
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 01/24/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported
Not reported

Regulation violated: Not reported

Area of violation: Generators - Pre-transport

Date violation determined: 07/10/2003
Date achieved compliance: 09/03/2003
Violation lead agency: State

Enforcement action: WRITTEN INFORMAL

Enforcement action date: 07/14/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

Proposed populty amount: Not reported

Proposed penalty amount: Not reported Final penalty amount: Not reported Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 02/13/2006

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 01/10/2006

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - General

Date achieved compliance: 02/13/2006 Evaluation lead agency: State

Evaluation date: 09/03/2003

Evaluation: COMPLIANCE SCHEDULE EVALUATION

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

ENGINEERED PLASTIC COMPONENTS INC (Continued)

1001221079

Evaluation date: 07/10/2003

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Generators - Pre-transport

Date achieved compliance: 09/03/2003 Evaluation lead agency: State

Evaluation date: 08/11/1999

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

Evaluation date: 01/13/1999

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Area of violation:

Date achieved compliance:

Evaluation lead agency:

Not reported

Not reported

State

21 EDR Hist Auto 1015646646 SW 819 E 3RD ST N/A

SW 819 E 3RD ST < 1/8 SILER CITY, NC 27344

0.118 mi. 625 ft.

Relative: EDR Historical Auto Stations:

Lower Name: DIXON MOTORS

Year: 2002

Actual: 592 ft.

Address: 819 E 3RD ST

Name: DIXON MOTORS

Year: 2003

Address: 819 E 3RD ST

Name: DIXON MOTORS

Year: 2008

Address: 819 E 3RD ST

 F22
 GREENVIEW INC.
 LUST
 \$104547358

 East
 1516 EAST THIRD STREET
 IMD
 N/A

1/8-1/4 SILER CITY, NC 27344

0.211 mi.

1114 ft. Site 1 of 3 in cluster F

Relative: LUST:

 Lower
 Facility ID:
 Not reported

 UST Number:
 RA-3417

 Actual:
 Incident Number:
 21903

588 ft. Contamination Type: GW Source Type: Leak-underground

Product Type:

Date Reported: 08/28/1995
Date Occur: 06/27/1995
Cleanup: 06/15/1995

Closure Request: 2000-08-09 00:00:00

Close Out: 09/17/2000

Level Of Soil Cleanup Achieved: Not reported

Tank Regulated Status: R

Direction Distance

Elevation Site Database(s) **EPA ID Number**

GREENVIEW INC. (Continued)

S104547358

EDR ID Number

Of Supply Wells:

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification:

Risk Class Based On Review:

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: 07/20/2000 Site Priority: Not reported Phase Of LSA Req: Not reported Site Risk Reason: Not reported Land Use: Not reported MTBE: No MTBE1: Unknown Flag: No Flag1: No

LUR Filed: Not reported

Release Detection:

File Located in Archives **Current Status:**

RBCA GW: Not reported

PETOPT: 3 RPL: False CD Num: 84 Reel Num: 232 RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: False

35.7323 -79.4467 Lat/Long Decimal: Testlat: Not reported Regional Officer Project Mgr: MRP Region: RAL

Company: GREENVIEW, INC. Contact Person: **HELEN MANESS** Telephone: 9197424879 RP Address: 210 INGLE STREET RP City,St,Zip: SILER CITY, NC 27344-

RP County: Chatham

File reviewed by WSRO. Database entry by MRP. Comments:

Not reported 5 Min Quad:

PIRF:

Facility Id: 21903

Date Occurred: 1996-06-27 00:00:00 Date Reported: 2000-06-10 00:00:00

Description Of Incident: (1) 7000 GAL GAS UST REMOVED. GROUND WATER SAMP FROM THE TANK PIT

SHOWED LOW LEVELS OF BTEX.

Owner/Operator: **HELEN MANESS**

Ownership: 4 Operation Type: 6 Type: 3 Location:

Site Priority: Not reported Priority Update: 2000-07-20 00:00:00

Wells Affected Y/N: Ν

Samples Include: Not reported

7#5 Minute Quad: 3 5 Minute Quad: 3

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

GREENVIEW INC. (Continued)

S104547358

Pirf/Min Soil: Not reported Not reported Release Code: Source Code: **PIRF** Not reported Err Type: Cause: Not reported Not reported Source: Ust Number: Not reported

Last Modified: 2000-10-18 00:00:00

Incident Phase: **Closed Out** NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported 2000-09-18 00:00:00 Close-out Report:

IMD:

Region: RAL Facility ID: 21903 6/27/1995 Date Occurred: Submit Date: 6/10/2000

GW Contam: Yes. Groundwater Contamination has been detected

Soil Contam:

(1) 7000 GAL GAS UST REMOVED. GROUND WATER SAMP FROM THE TANK PIT Incident Desc:

SHOWED LOW LEVELS OF BTEX.

HELEN MANESS Operator: Contact Phone: 9197424879 Owner Company: GREENVIEW, INC. Operator Address:210 INGLE STREET SILER CITY Operator City:

Oper City, St, Zip: SILER CITY, NC 27344-

Ownership: Private Operation: Commercial Material: Not reported Qty Lost 1: Not reported Qty Recovered 1: Not reported Source: Leak-underground Type: Gasoline/diesel

Location: Facility Setting: Urban Risk Site:

Site Priority: Not reported Priority Code: Not reported Priority Update: 7/20/2000 MRP Dem Contact: Wells Affected: No

Num Affected: Not reported Wells Contam: Not reported Responsible Parties Sampled By:

Samples Include: 3

7.5 Min Quad: Not reported 5 Min Quad: Not reported

Direction Distance

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

GREENVIEW INC. (Continued)

S104547358

RCRA-LQG

1014956244

NCR000155366

 Latitude:
 35.72472222

 Longitude:
 -79.4625

 Latitude Number:
 354329

 Longitude Number:
 792745

Latitude Decimal: 35.724722222222

Longitude Decimal: 79.4625 GPS: Agency: DWM Facility ID: 21903 Last Modified: 10/18/2000 Incident Phase: Closed Out NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: 9/18/2000

F23 CVS PHARMACY #4297

1/8-1/4 MOUNT AIRY, NC 27030

0.214 mi.

ENE

1131 ft. Site 2 of 3 in cluster F

Relative: RCRA-LQG:

Lower Date form received by agency: 03/10/2014

Facility name: CVS PHARMACY #4297

Actual: Facility address: 1506 EAST 11TH STREET (HIGHWAY 64) 655 ft. MOUNT AIRY, NC 27030

EPA ID: MOUNT AIRY, NC

1506 EAST 11TH STREET (HIGHWAY 64)

Mailing address: CVS DR, 23062-A WOONSOCKET, RI 02895

Contact: WENDY L BRANT
Contact address: CVS DR, 23062-A

WOONSOCKET, RI 02895

Contact country: US

Contact telephone: (401) 765-1500

Contact email: WENDY.BRANT@CVSCARMARK.COM

EPA Region: 04 Land type: Private

Classification: Large Quantity Generator

Description: Handler: generates 1,000 kg or more of hazardous waste during any

calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

hazardous waste during any calendar month, and accumulates more than

100 kg of that material at any time

Direction Distance Elevation

EDR ID Number Site Database(s) **EPA ID Number**

CVS PHARMACY #4297 (Continued)

1014956244

Owner/Operator Summary:

NORTH CAROLINA CVS PHARMACY LLC Owner/operator name:

Owner/operator address: CVS DR

WOONSOCKET, RI 02895

Owner/operator country: US

401-765-1500 Owner/operator telephone: Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 11/19/2003 Owner/Op end date: Not reported

NORTH CAROLINA CVS PHARMACY, L.L.C. Owner/operator name: Owner/operator address: Not reported

Not reported Owner/operator country: Not reported Owner/operator telephone: Not reported Legal status: Private Owner/Operator Type: Operator Owner/Op start date: 11/09/2003

Not reported Owner/operator name: NORTH CAROLINA CVS PHARMACY, L.L.C.

Owner/operator address: CVS DR

WOONSOCKET, RI 02895

Owner/operator country: US

Owner/Op end date:

Owner/operator telephone: (401) 765-1500

Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 12/19/2003 Owner/Op end date: Not reported

Owner/operator name: NORTH CAROLINA CVS PHARMACY LLC

Owner/operator address: CVS DR

WOONSOCKET, RI 02895

Owner/operator country: US

Owner/operator telephone: 401-765-1500 Legal status: Private Owner/Operator Type: Owner Owner/Op start date: 12/19/2003 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No Mixed waste (haz. and radioactive): No Recycler of hazardous waste: No Transporter of hazardous waste: No Treater, storer or disposer of HW: No Underground injection activity: No On-site burner exemption: No Furnace exemption: No Used oil fuel burner: No Used oil processor: No User oil refiner: No Used oil fuel marketer to burner: No Used oil Specification marketer: No Used oil transfer facility: No Map ID MAP FINDINGS Direction

Distance Elevation Site EDR ID Number

EDR ID Number

EDR ID Number

EPA ID Number

CVS PHARMACY #4297 (Continued)

1014956244

Used oil transporter:

. Waste code: D001

. Waste name: IGNITABLE WASTE

No

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D004 . Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006 . Waste name: CADMIUM

Waste code: D007

Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

. Waste code: D009 . Waste name: MERCURY

. Waste code: D010 SELENIUM

. Waste code: D011 . Waste name: SILVER

Waste code: D016

Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

. Waste code: D018
. Waste name: BENZENE

Waste code: D024
Waste name: M-CRESOL

Waste code: D026
Waste name: CRESOL

. Waste code: D027

. Waste name: 1,4-DICHLOROBENZENE

Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

. Waste code: P001

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &

SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Direction Distance Elevation

EDR ID Number tion Site Database(s) EPA ID Number

CVS PHARMACY #4297 (Continued)

1014956244

. Waste code: P012

. Waste name: ARSENIC OXIDE AS203 (OR) ARSENIC TRIOXIDE

. Waste code: P075

Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &

SALTS

Waste code: P081

. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Waste code: P188

. Waste name: BENZOIC ACID, 2-HYDROXY-, COMPD. WITH

(3AS-CIS)-1,2,3,3A,8,8A-HEXAHYDRO-1,3A,8-TRIMETHYLPYRROLO[2,3-B]INDOL-YL METHYLCARBAMATE ESTER (1:1) (OR) PHYSOSTIGMINE SALICYLATE

Waste code: U002

. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

Waste code: U010

Waste name: AZIRINO [2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE,

6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-MET

OXY-5-METHYL-, [1AS-(1AALPHA, 8BETA, 8AALPHA, 8BALPHA)]- (OR)

MITOMYCIN C

. Waste code: U031

. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Waste code: U034

. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

. Waste code: U035

. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) CHLORAMBUCIL

Waste code: U044

. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste code: U058

. Waste name: 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N,N-BIS(2-CHLOROETHYL)TETRAHYDRO-,

2-OXIDE (OR) CYCLOPHOSPHAMIDE

Waste code: U059

. Waste name: 5,12-NAPHTHACENEDIONE,

8-ACETYL-10-[(3-AMINO-2,3,6-TRIDEOXY)-ALPHA-L-LYXO-HEXOPYRANOSYL)OXY]-

 $, 8, 9, 10\text{-}\mathsf{TETRAHYDRO-6}, 8, 11\text{-}\mathsf{TRIHYDROXY-1-METHOXY-}, \ (8S\text{-}\mathsf{CIS})\text{-}\ (OR)$

DAUNOMYCIN

Waste code: U070

. Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

. Waste code: U072

. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U089

. Waste name: DIETHYLSTILBESTEROL (OR) PHENOL, 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS,

(E)-

. Waste code: U122

Map ID MAP FINDINGS
Direction

Distance Elevation Site

Site EDR ID Number

EDR ID Number

EPA ID Number

CVS PHARMACY #4297 (Continued)

1014956244

. Waste name: FORMALDEHYDE

. Waste code: U129

. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA,

5ALPHA, 6BETA)- (OR) LINDANE

Waste code: U132

Waste name: HEXACHLOROPHENE (OR) PHENOL, 2,2'-METHYLENEBIS[3,4,6-TRICHLORO-

Waste code: U150

Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U151 . Waste name: MERCURY

Waste code: U154

. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U165

Waste name: NAPHTHALENE

. Waste code: U188 . Waste name: PHENOL

. Waste code: U200

. Waste name: RESERPINE (OR) YOHIMBAN-16-CARBOXYLIC ACID,

11,17-DIMETHOXY-18-[(3,4,5-TRIMETHOXYBENZOYL)OXY]-, METHYL ESTER,

(3BETA, 16BETA, 17ALPHA, 18BETA, 20ALPHA)-

Waste code: U201

. Waste name: 1,3-BENZENEDIOL (OR) RESORCINOL

. Waste code: U204

Waste name: SELENIOUS ACID (OR) SELENIUM DIOXIDE

. Waste code: U205

. Waste name: SELENIUM SULFIDE (OR) SELENIUM SULFIDE SES2 (R,T)

. Waste code: U206

. Waste name: D-GLUCOSE, 2-DEOXY-2-[[(METHYLNITROSOAMINO)-CARBONYL]AMINO]- (OR)

GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-,D- (OR)

STREPTOZOTOCIN

Waste code: U210

Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

. Waste code: U279

Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

Waste code: U411

Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

Historical Generators:

Date form received by agency: 07/01/2013

Site name: CVS PHARMACY #4297 Classification: Large Quantity Generator Map ID MAP FINDINGS
Direction

Direction Distance Elevation

Site Database(s) EPA ID Number

CVS PHARMACY #4297 (Continued)

1014956244

EDR ID Number

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D009
. Waste name: MERCURY

Waste code: D011
Waste name: SILVER

Waste code: P001

. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &

SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P042

. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR)

EPINEPHRINE

Waste code: P075

Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-, (S)-, &

SALTS

Waste code: P081

Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Date form received by agency: 04/05/2012

Site name: CVS PHARMACY #4297

Classification: Conditionally Exempt Small Quantity Generator

Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: P001

Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, &

SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P042

. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)- (OR)

EPINEPHRINE

Waste code: P075

Waste name: NICOTINE, & SALTS (OR) PYRIDINE, 3-(1-METHYL-2-PYRROLIDINYL)-,(S)-, &

SALTS

. Waste code: P081

Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Violation Status: No violations found

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CVS PHARMACY #4297 (Continued)

1014956244

Evaluation Action Summary:

04/01/2015 Evaluation date:

COMPLIANCE EVALUATION INSPECTION ON-SITE Evaluation:

Area of violation: Not reported Date achieved compliance: Not reported Evaluation lead agency: State

F24 **CIRCLE K 2724660** UST U003295387

ENE 1513 EAST 11TH STREET, HWY 64 **Financial Assurance** N/A

1/8-1/4 SILER CITY, NC 27344

0.219 mi.

1154 ft. Site 3 of 3 in cluster F

UST: Relative:

Lower Facility Id: 00-0-0000035689

Contact: CIRCLE K STORES INC.

Actual: Contact Address1: 2440 WHITEHALL PARK DR STE 800

584 ft. Contact Address2: Not reported

> Contact City/State/Zip: CHARLOTTE, NC 28273-3553

FIPS County Desc: Chatham Latitude: 35.73340 Longitude: -79.44261

Tank Id:

Tank Status: Current Installed Date: 02/28/1998 Perm Close Date: Not reported

Product Key:

Product Name: Gasoline, Gas Mix

Tank Capacity: 15000 Root Tank Id: 208443 Main Tank: Yes Compartment Tank: Yes Manifold Tank: O Commercial: Yes Regulated: Yes

Tank Construction: Single Wall FRP Double Wall FRP Piping Construction: Piping System Key: Pressurized System Not reported

Other CP Tank:

Overfill Protection Key: 3

Overfill Protection Name: Auto Shutoff Device

Spill Protection Key:

Spill Protection Name: Catchment Basin Leak Detection Key: Not reported Leak Detection Name: Not reported Single Wall FRP Decode for TCONS_KEY: Decode for PCONS_KEY: Double Wall FRP Decode for PSYS_KEY: Pressurized System

Tank Id: 1B Tank Status: Current Installed Date: 02/28/1998 Perm Close Date: Not reported

Product Key:

Product Name: Gasoline, Gas Mix

Tank Capacity: 8000 Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CIRCLE K 2724660 (Continued)

U003295387

EDR ID Number

Root Tank Id: 208443
Main Tank: No
Compartment Tank: Yes
Manifold Tank: 0
Commercial: Yes
Regulated: Yes

Tank Construction: Single Wall FRP
Piping Construction: Double Wall FRP
Piping System Key: Pressurized System
Other CP Tank: Not reported

Overfill Protection Key: 3

Overfill Protection Name: Auto Shutoff Device

Spill Protection Key: 4

Spill Protection Name:

Leak Detection Key:

Leak Detection Name:

Decode for TCONS_KEY:

Decode for PCONS_KEY:

Decode for PSYS_KEY:

Decode for PSYS_KEY:

Catchment Basin

Not reported

Single Wall FRP

Double Wall FRP

Pressurized System

NC Financial Assurance 1:

Facility ID: 00-0-000035689

Region: 1

Financial Responsibility Desc: Letter of Credit

Financial Responsibility Name: Wells Fargo Bank, N.A>

Started Date: 03/10/2013 Ended Date: 03/10/2014

25 BAKER LIMESTONE, INC. WNW HIGHWAY 64

1/4-1/2 SILER CITY, NC 27344

0.252 mi. 1332 ft.

Relative: LUST: Higher Facility ID:

UST Number: RA-2600
Actual: Incident Number: 16161

618 ft. Contamination Type: SL Source Type: Leak-underground

Product Type: P

Date Reported: 01/21/1993
Date Occur: 01/04/1993
Cleanup: Not reported
Closure Request: Not reported
Close Out: 04/24/2010

Level Of Soil Cleanup Achieved: Soil to Groundwater

Not reported

Tank Regulated Status:

Of Supply Wells: 0

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification: H
Risk Class Based On Review: L

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: 10/12/2000

Site Priority: 0

Phase Of LSA Req: Not reported

LUST

UST

IMD

U003562241

N/A

Direction Distance

Elevation Site Database(s) **EPA ID Number**

BAKER LIMESTONE, INC. (Continued)

U003562241

EDR ID Number

Site Risk Reason: Not reported

Industrial/commercial Land Use:

MTBE: Nο MTBE1: Unknown Flag: No Flag1: No

LUR Filed: Not reported

Release Detection:

Current Status: File Located in Archives RBCA GW: Cleanups to 2L.0202 standards

PETOPT: 3 RPL: False CD Num: 482 Reel Num: Not reported

RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: True

Lat/Long Decimal: 35.7334 -79.4558 Testlat: Not reported Regional Officer Project Mgr: DMD Region: RAL

Company: BAKER LIMESTONE COMPANY, INC.

Contact Person: CHARLIE W. LEMONS, JR.

Telephone: 919/742-4881 RP Address: P.O. BOX 486

RP City, St, Zip: SILER CITY, NC 27344-

RP County: Not reported

IMPROPER CLOSURE OF TWO 550 GAL GAS UST'S 11/30/07 - LSA NORR Issued. Comments:

- CED ////Site visit 10/1/09 indicated site lies in area served by city/county water system with some possibility of interspersed supply wells within 1000'; therefore, potential risk is High. File review indicates "suspected" release based on petroleum odor; no samples collected; sending LSA NORR. -DMD,10/8/09////Mailed file documents to Ms. Key at her request-dmd,11-5-09////ATC - 18' soil boring/no water sample (send report fail NOV -- complete LSA due in 30 days)--DMD. 3/10/10///This revised report includes groundwater data. No soil or

groundwater violations; therefore, NFA.-DMD,4/23/10////

5 Min Quad: Not reported

PIRF:

Facility Id: 16161

Date Occurred: 1993-01-04 00:00:00 Date Reported: 1996-08-14 00:00:00

Description Of Incident: 2 550 GAL. USTS WERE REMOVED.

Owner/Operator: Not reported

Ownership: Operation Type: 6 Type: 3 Location: 1 Site Priority: 20E Priority Update: Not reported Wells Affected Y/N: Not reported Samples Include:

7#5 Minute Quad: Not reported 5 Minute Quad: Not reported Not reported Pirf/Min Soil:

Map ID MAP FINDINGS

Direction Distance Elevation

ation Site Database(s) EPA ID Number

BAKER LIMESTONE, INC. (Continued)

U003562241

EDR ID Number

Release Code:

Source Code:

Err Type:

Cause:

Source:

Not reported

Last Modified: 2010-04-24 00:00:00

Incident Phase: **Closed Out** NOV Issued: Not reported NORR Issued: Not reported Not reported 45 Day Report: Not reported Public Meeting Held: Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported Not reported RS Designation: Closure Request Date: Not reported Close-out Report: Not reported

UST:

Facility Id: 00-0-0000007479

Contact: BAKER LIMESTONE, INC.

Contact Address1: HIGHWAY 64
Contact Address2: Not reported

Contact City/State/Zip: SILER CITY, NC 27344

FIPS County Desc: Chatham Latitude: 0 Longitude: 0

Tank ld:

Tank Status: Removed Installed Date: 02/28/1976 Perm Close Date: 01/04/1993

Product Key:

Product Name: Gasoline, Gas Mix

Tank Capacity: 500

Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel
Piping Construction: Unknown
Piping System Key: Unknown
Other CP Tank: Not reported

Overfill Protection Key: 1

Overfill Protection Name: Unknown

Spill Protection Key: 1

Spill Protection Name: Unknown Leak Detection Key: -1

Leak Detection Name: Unknown
Decode for TCONS_KEY: Single Wall Steel

Decode for PCONS_KEY: Unknown
Decode for PSYS_KEY: Unknown

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BAKER LIMESTONE, INC. (Continued)

U003562241

Tank Id: Tank Status: Removed Installed Date: 03/02/1966 Perm Close Date: 01/04/1993

Product Key:

Product Name: Gasoline, Gas Mix

Tank Capacity: 500

Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel Piping Construction: Unknown Piping System Key: Unknown Other CP Tank: Not reported

Overfill Protection Key:

Overfill Protection Name: Unknown

Spill Protection Key:

Spill Protection Name: Unknown Leak Detection Key: -1 Leak Detection Name: Unknown Decode for TCONS_KEY: Single Wall Steel Decode for PCONS_KEY: Unknown

Decode for PSYS_KEY: Unknown

IMD:

Region: **RAL** Facility ID: 16161 Date Occurred: 1/4/1993 Submit Date: 8/14/1996

GW Contam: No Groundwater Contamination detected

Soil Contam: Yes

2 550 GAL. USTS WERE REMOVED. Incident Desc:

BUDDY LEMONS Operator: Contact Phone: 919/742-4881 Owner Company: BAKER LIMESTONE Operator Address:P.O. BOX 486 Operator City: SILER CITY

Oper City, St, Zip: SILER CITY, NC 27344-

Ownership: Private Operation: Commercial Material: **GASOLINE** Qty Lost 1: Not reported Qty Recovered 1: Not reported Source: Leak-underground Gasoline/diesel Type:

Facility Location: Setting: Urban Risk Site: Not reported

Site Priority: 20E Priority Code: Ε

Not reported Priority Update: Dem Contact: MAF Wells Affected: Not reported

Num Affected:

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

BAKER LIMESTONE, INC. (Continued)

U003562241

Wells Contam: Not reported Sampled By: Not reported Samples Include: Not reported 7.5 Min Quad: Not reported

5 Min Quad: Not reported Not reported Latitude: Longitude: Not reported Latitude Number: Not reported Longitude Number: Not reported Latitude Decimal: Not reported Not reported Longitude Decimal: GPS: NOD DWM Agency: Facility ID: 16161 Last Modified: Not reported Incident Phase: RE NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported

Not reported

Not reported

Not reported

FIELDS, RUTH RENTAL PROP. 618 E. 4TH STREET SILER CITY, NC 27344

RS Designation:

Close-out Report:

Closure Request Date:

LAST S105765110 LUST N/A **IMD**

1453 ft. LAST: Relative:

26

WSW

1/4-1/2

0.275 mi.

Facility ID: N/A Higher **UST Number:** RA-14424 Actual: Incident Number: 14424 625 ft.

Contamination Type: NO

19 Source Type: Product Type: Date Reported:

03/31/1995 Date Occur: 03/31/1995 Cleanup: Not reported Closure Request: Not reported Close Out: Not reported

Level Of Soil Cleanup Achieved: Not reported Tank Regulated Status: Not reported

Of Supply Wells:

Commercial/NonCommercial UST Site: Not reported Risk Classification: Not reported

Risk Class Based On Review: U

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported

Site Priority: 10

Phase Of LSA Req: Not reported Site Risk Reason: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

FIELDS, RUTH RENTAL PROP. (Continued)

S105765110

Land Use: Not reported MTBE: No MTBE1: Unknown Flag: No Flag1: No

LUR Filed: Not reported

Release Detection: 0 **Current Status:** С

RBCA GW: Not reported PETOPT: Not reported False RPL: CD Num: 0 0 Reel Num: RPOW: False RPOP: False Error Flag:

Error Code: Not reported

Valid: False

35 43 47.64 79 27 19.5 Lat/Long: Lat/Long Decimal: 35.72990 -79.45542 Testlat: Not reported

Regional Officer Project Mgr: CED Region: RAL

STATE LEAD Company: Contact Person: Not reported Telephone: Not reported RP Address: Not reported RP City,St,Zip: NC

RP County: Not reported

ANON.CALL-MARK GAINES(RENTER)SAID TANK HAD OVERFLOW ACROSS YARD AFTER Comments:

RAIN - 3/7/08 - NO FILE.

5 Min Quad: Not reported

PIRF:

14424 Facility Id: Date Occurred: Not reported Date Reported: Not reported **Description Of Incident:** Not reported Owner/Operator: Not reported

Ownership: 5 Operation Type: 5

Type: Not reported Location: Not reported Site Priority: 10E Priority Update: Not reported

Wells Affected Y/N: Ν Wells Affected Number: 0

Samples Taken By: Not reported Samples Include: Not reported 7#5 Min Quad: Not reported 5 Min Quad: Not reported Pirf/Min Soil: Not reported Release Code: Not reported Not reported Cause: Source: Not reported

Source Type:

Last Modified: 7/14/2003 Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

FIELDS, RUTH RENTAL PROP. (Continued)

S105765110

EDR ID Number

FU Incident Phase: NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Not reported Reclassification Report: RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

LUST:

Facility ID: Not reported UST Number: RA-2261 Incident Number: 14424

Contamination Type: SL Source Type: Leak-underground

Product Type: P

Date Reported: 03/31/1995
Date Occur: 05/01/1995
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported

Level Of Soil Cleanup Achieved: Not reported

Tank Regulated Status: N

Of Supply Wells: 0

Commercial/NonCommercial UST Site: NON COMMERCIAL

Risk Classification: L
Risk Class Based On Review: L

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported Site Priority: 10E

Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No

LUR Filed: Not reported Release Detection: 0

Current Status: File Located in House

RBCA GW: Not reported

PETOPT: RPL: False Not reported CD Num: Not reported Reel Num: RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: False

Lat/Long Decimal: 35.7288 -79.4527
Testlat: Not reported
Regional Officer Project Mgr: STF

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

FIELDS, RUTH RENTAL PROP. (Continued)

S105765110

EDR ID Number

Region: RAL

Company: STATE LEAD
Contact Person: Not reported
Telephone: 733-8486
RP Address: Not reported
RP City,St,Zip: Not reported
RP County: Not reported

Comments: anon.call-mark gaines(renter)said tank had overflow across yard after

rain // Heating oil displaced from HHO UST causing surface staining and grass to die. Anonymous complaint called in, RRO investigated. RP is deceased. Accepted as State lead site per letter dated 10/02/95,

RKD.///Sent to CO on 07-26-2006..tw..

5 Min Quad: Not reported

PIRF:

Facility Id: 14424

Date Occurred: 1995-03-31 00:00:00
Date Reported: 1995-08-14 00:00:00

Description Of Incident: MINOR SOIL CONTAMINATION CONFIRMED FROM HEATING OIL UST SPILL.

Owner/Operator: RUTH FIELDS

 Ownership:
 4

 Operation Type:
 3

 Type:
 4

 Location:
 7

 Site Priority:
 10E

 Priority Update:
 Not reported

 Wells Affected Y/N:
 Not reported

Samples Include: 0

7#5 Minute Quad: Not reported 5 Minute Quad: Not reported Pirf/Min Soil: Not reported Release Code: Not reported Source Code: Min Soil Err Type: Not reported Not reported Cause: Not reported Source: Ust Number: Not reported

Last Modified: Not reported Incident Phase: Response NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported

Reclassification Report:
RS Designation:
Closure Request Date:
Close-out Report:
Not reported
Not reported
Not reported
Not reported

IMD:

Region: RAL
Facility ID: 14424
Date Occurred: 3/31/1995
Submit Date: 3/31/1995

GW Contam: No Groundwater Contamination detected

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

FIELDS, RUTH RENTAL PROP. (Continued)

S105765110

Soil Contam:

ANON.CALL-MARK GAINES(RENTER)SAID TANK HAD OVERFLOW ACROSS YARD AFTER Incident Desc:

Operator:

733-8486 Contact Phone: Owner Company: STATE LEAD Operator Address:Not reported Operator City: Not reported Oper City, St, Zip: 733-8486 Ownership: Federal Operation: Industrial Material: #2 FUEL OIL Qty Lost 1: Not reported Qty Recovered 1: Not reported Source: Spill-surface Type: Heating Oil Location: Residence Residential Setting:

Risk Site:

Site Priority: Not reported

Priority Code: Ε

Priority Update: Not reported Dem Contact: **ERIC RICE** Wells Affected: No

Num Affected:

Wells Contam: Not reported Sampled By: Not reported Samples Include: Not reported

7.5 Min Quad: Not reported 5 Min Quad: Not reported Latitude: Not reported Longitude: Not reported Latitude Number: 354344 Longitude Number: 792710

Latitude Decimal: 35.728888888889 Longitude Decimal: 79.452777777778

GPS: **GPS** Agency: DWQ Facility ID: 14424 7/14/2003 Last Modified: Incident Phase: Follow Up NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

27 FEDERMAN PROPERTY, KAREN LUST S115705352 SSW 721 E. RALEIGH STREET **LUST TRUST** N/A

1/4-1/2 0.325 mi. 1717 ft.

LUST: Relative:

Not reported Higher Facility ID:

SILER CITY, NC 27344

UST Number: RA-7341 Actual: 39467 Incident Number: 627 ft.

Contamination Type: GW Source Type: Leak-underground

Product Type:

11/26/2013 Date Reported: Date Occur: 11/25/2013 Cleanup: 11/21/2013 Closure Request: Not reported Close Out: 03/25/2014

Level Of Soil Cleanup Achieved: Industrial/Commercial

Tank Regulated Status:

Of Supply Wells:

Commercial/NonCommercial UST Site: NON COMMERCIAL

Risk Classification: Risk Class Based On Review: L

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported Site Priority: Not reported Phase Of LSA Req: Not reported Site Risk Reason: Not reported Residential Land Use: MTBE: No MTBE1: Unknown Flag: No Flag1: No

Release Detection:

LUR Filed:

RP County:

Current Status: File Located in House

RBCA GW: Cleanups to alternate standards

04/04/2014

PETOPT: False RPL: CD Num: 0 0 Reel Num: RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: False

Lat/Long Decimal: 35.7264 - 79.4541 Testlat: Not reported Regional Officer Project Mgr:

Region: RAL Not reported Company: Contact Person: Karen Federman 9196355215 Telephone: RP Address: 4712 American Drive RP City,St,Zip: durham, NC 27707

Comments: received original copy of NRP filing. -CCW

ccw

Not reported

EDR ID Number

Direction Distance Elevation

Site Database(s) **EPA ID Number**

FEDERMAN PROPERTY, KAREN (Continued)

S115705352

EDR ID Number

5 Min Quad: Not reported

PIRF:

Facility Id: 39467

Date Occurred: 2013-11-25 00:00:00 Date Reported: 2013-11-26 00:00:00

Description Of Incident: Not reported Owner/Operator: Not reported

Ownership: Operation Type: 3 Type: 4 Location:

Site Priority: Not reported Priority Update: Not reported

Wells Affected Y/N:

Samples Include: Not reported

7#5 Minute Quad:

5 Minute Quad: Not reported Pirf/Min Soil: Not reported Release Code: Not reported Source Code: Not reported

Err Type: 2 Cause: 3 Source: Α Р Ust Number:

2014-03-25 00:00:00 Last Modified:

Incident Phase: **Closed Out** NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported Not reported RS Designation:

Closure Request Date: Not reported Not reported Close-out Report:

LUST TRUST:

Facility ID: Not reported Site ID: 39467

Site Note: Noncommercial; first apply a \$1,000 deductible then reimburse 90% of

subsequent approved costs until a maximum deductible of \$2,000 is

reached. Then reimburse at 100%. [CGS 7/16/14]

Site Eligible?: True

Commercial Find: 100% Non-Commercial

Priority Rank: Not reported Deductable Amount: 2000

3rd Party Deductable Amt: 0 Sum 3rd Party Amt Applied: 0

> Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

Direction Distance

Elevation Site Database(s) **EPA ID Number**

28 STOVALL'S MINI MART LUST S106349187 WNW **801 E. 11TH STREET IMD** N/A SILER CITY, NC 27344

1/4-1/2 0.338 mi. 1785 ft.

LUST: Relative:

Not reported Higher Facility ID:

UST Number: RA-4067 Actual: 24266 Incident Number: 621 ft.

Contamination Type: GW Source Type: Leak-underground

Product Type:

05/20/1997 Date Reported: 11/26/1996 Date Occur: Cleanup: Not reported Closure Request: Not reported Close Out: 03/06/2012

Level Of Soil Cleanup Achieved: Residential

Tank Regulated Status:

Of Supply Wells:

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification: Risk Class Based On Review: L

Corrective Action Plan Type:

Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported Not reported Site Priority:

Phase Of LSA Req:

Site Risk Reason: Not reported Land Use: Not reported

MTBE: No MTBE1: Unknown Flag: No Flag1: No 02/08/2012 LUR Filed:

Release Detection:

Current Status: File Located in House

RBCA GW: Cleanups to alternate standards

PETOPT: 3 False RPL: Not reported CD Num: Reel Num: Not reported RPOW: False RPOP: False Error Flag: 0 Error Code: Ν Valid: False

Lat/Long Decimal: 35.7334 -79.4569 Testlat: Not reported Regional Officer Project Mgr: STF

Region: RAL Lee Oil Company Company: Contact Person: Not reported Telephone: Not reported

RP Address: Not reported RP City,St,Zip: NC

RP County: Not reported

Comments: THIS REPORT WAS REVIEWED BY KCG-WSRO (ZMB)/// Site visit, no WSW

EDR ID Number

Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

STOVALL'S MINI MART (Continued)

S106349187

EDR ID Number

seen. 08/25/2005, JFM///

5 Min Quad: Not reported

PIRF:

Facility Id: 24266

Date Occurred: 1996-11-26 00:00:00
Date Reported: 2002-05-16 00:00:00

Description Of Incident: TWO 10K GALLON UST'S REMOVED. SOIL CONTAMINATION DETECTED IN SAMPLES

COLLECTED AT CLOSURE

Owner/Operator: BOBBY STOVALL

 Ownership:
 4

 Operation Type:
 6

 Type:
 3

 Location:
 1

 Site Priority:
 U

Priority Update: 2002-05-16 00:00:00

Wells Affected Y/N:
Samples Include:
Not reported
Release Code:
Not reported
Not reported
Not reported

Err Type:

Cause: Not reported

Source: C
Ust Number: C

Last Modified: 2012-03-06 00:00:00

Incident Phase: **Closed Out** NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported Not reported RS Designation: Closure Request Date: Not reported Close-out Report: Not reported

IMD:

Region: RAL Facility ID: 24266 Date Occurred: 11/26/1996 Submit Date: 5/16/2002

GW Contam: Yes, Groundwater Contamination has been detected

Soil Contam: No

Incident Desc: TWO 10K GALLON UST'S REMOVED. SOIL CONTAMINATION DETECTED IN SAMPLES

COLLECTED AT CLOSURE

Operator: Not reported
Contact Phone: Not reported
Owner Company: UNKNOWN
Operator Address:Not reported
Operator City: Not reported
Oper City,St,Zip: NC
Ownership: Private

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

STOVALL'S MINI MART (Continued)

S106349187

Operation: Commercial Material: Not reported Not reported Qty Lost 1: Qty Recovered 1: Not reported Source: Leak-underground Gasoline/diesel Type: Location: Facility

Setting: Residential Risk Site: Not reported

Site Priority:

Priority Code: Not reported Priority Update: 5/16/2002 Dem Contact: JFM Wells Affected: Not reported Num Affected: Not reported Wells Contam: Not reported Sampled By: Not reported Samples Include: Not reported

7.5 Min Quad: Not reported 5 Min Quad: Not reported Not reported Latitude: Longitude: Not reported Not reported Latitude Number: Longitude Number: Not reported Latitude Decimal: Not reported Longitude Decimal: Not reported

GPS: Agency: DWM Facility ID: 24266 Last Modified: 5/16/2002 Incident Phase: RE

NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

CHATHAM COUNTY HEALTH DEPT.

South 1105 E. CARDINAL STREET 1/4-1/2 SILER CITY, NC 27344

0.339 mi. 1791 ft.

29

LUST: Relative:

Facility ID: 00-0-000 Lower **UST Number:** RA-3447

Actual: 22008 Incident Number: 570 ft. Contamination Type:

SL Source Type: Leak-underground

Product Type:

02/06/1998 Date Reported: Date Occur: 12/11/1997

S104914198

N/A

LUST

IMD

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

CHATHAM COUNTY HEALTH DEPT. (Continued)

S104914198

Cleanup: 12/11/1997

Closure Request: 1998-02-16 00:00:00

Close Out: 07/21/2000

Level Of Soil Cleanup Achieved: Not reported

Tank Regulated Status: R

Of Supply Wells:

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification: L Risk Class Based On Review: L

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported Not reported NORR Issue Date: Not reported Site Priority: Phase Of LSA Req: Not reported Not reported Site Risk Reason: Not reported Land Use: MTBE: No MTBE1: Unknown Flag: No

LUR Filed: Not reported

Release Detection:

Flag1:

Current Status: File Located in Archives

No

RBCA GW: Not reported PETOPT: 3 False RPL: CD Num: 84 Reel Num: 232 RPOW: False RPOP: False Error Flag: n Error Code: Ν Valid: False

Lat/Long Decimal: 35.7243 -79.4491 Testlat: Not reported Regional Officer Project Mgr: MRP RAL Region:

Company: **COUNTY OF CHATHAM** Contact Person: JAMES WATSON Telephone: 9195428254 RP Address: P. O. BOX 87

RP City,St,Zip: PITTSBORO, NC 27312-

RP County: **CHATHAM**

Comments: Not reported 5 Min Quad: Not reported

PIRF:

Facility Id: 22008

Date Occurred: 1997-12-11 00:00:00 Date Reported: 2000-07-18 00:00:00

Description Of Incident: (1) 10000 GAL GAS TANK WAS REMOVED. SOIL REMOVED TO REMOVE TANK WAS

SAMP & STOCKPILE SAMP REVEALED 14PPM, ALL BOTTOM SAMP WAS BDL.

Owner/Operator: CONTACT: JAMES WATSON

Ownership: 6 Operation Type: 1 Type: 3 Location: 1 Site Priority: L Map ID MAP FINDINGS

Direction Distance

Elevation Site Database(s) EPA ID Number

CHATHAM COUNTY HEALTH DEPT. (Continued)

S104914198

EDR ID Number

Priority Update: 2000-08-03 00:00:00
Wells Affected Y/N: Not reported

Samples Include: Not reported

7#5 Minute Quad: 3 5 Minute Quad: 2 Pirf/Min Soil: **SILERCI** Release Code: Not reported MIN_SOIL Source Code: Err Type: Not reported Cause: Not reported Not reported Source: Not reported Ust Number:

Last Modified: 2000-09-28 00:00:00

Incident Phase: **Closed Out** NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported **RS** Designation: Not reported

Close-out Report: 2000-07-21 00:00:00

IMD:

 Region:
 RAL

 Facility ID:
 22008

 Date Occurred:
 12/11/1997

 Submit Date:
 7/18/2000

GW Contam: No Groundwater Contamination detected

Soil Contam: Yes

Closure Request Date:

Incident Desc: (1) 10000 GAL GAS TANK WAS REMOVED. SOIL REMOVED TO REMOVE TANK WAS

Not reported

SAMP & STOCKPILE SAMP REVEALED 14PPM, ALL BOTTOM SAMP WAS BDL.

Operator: JAMES WATSON
Contact Phone: 9195428254
Owner Company: COUNTY OF CHATHAM

Operator Address:P. O. BOX 87 Operator City: PITTSBORO

Oper City, St, Zip: PITTSBORO, NC 27312-

Ownership: County
Operation: Public Service
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel

Facility Location: Setting: Urban Risk Site: L Site Priority: L Priority Code: L Priority Update: 8/3/2000 Dem Contact: MRP Wells Affected: Not reported Num Affected: Not reported

Direction Distance

Elevation Site Database(s) **EPA ID Number**

CHATHAM COUNTY HEALTH DEPT. (Continued)

S104914198

EDR ID Number

Wells Contam: Not reported Responsible Parties Sampled By: Samples Include: Soil Samples 7.5 Min Quad: SILERCI 5 Min Quad: Not reported 35.72361111 Latitude: Longitude: -79.45111111 Latitude Number: 354325 Longitude Number: 792704

Latitude Decimal: 35.7236111111111 Longitude Decimal: 79.4511111111111

GPS: NOD Agency: DWM Facility ID: 22008 Last Modified: 9/28/2000 Incident Phase: Closed Out NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Sighned: Not reported Not reported Reclassification Report: **RS** Designation: Not reported Closure Request Date: Not reported Close-out Report: 7/21/2000

30 **HIGDON RESIDENTIAL UST** SW **604 E RALEIGH ST** 1/4-1/2 SILER CITY, NC 27355

LUST **LUST TRUST** N/A

S110303248

0.481 mi. 2542 ft.

LUST: Relative:

Facility ID: Not reported Higher **UST Number:** RA-6630 Actual: 33792 Incident Number:

662 ft. Contamination Type: SL

Source Type: Leak-underground

Product Type:

01/15/2010 Date Reported: 01/12/2010 Date Occur: Cleanup: Not reported Closure Request: Not reported Close Out: 02/26/2010

Level Of Soil Cleanup Achieved: Soil to Groundwater

Tank Regulated Status:

Of Supply Wells:

Commercial/NonCommercial UST Site: NON COMMERCIAL

Risk Classification: Risk Class Based On Review:

Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported Site Priority: Not reported Phase Of LSA Req: Not reported Site Risk Reason: Not reported

Direction Distance

EDR ID Number Elevation Site Database(s) **EPA ID Number**

HIGDON RESIDENTIAL UST (Continued)

S110303248

Land Use: Residential MTBE: No MTBE1: Unknown Flag: No Flag1: No

LUR Filed: Not reported

Release Detection:

Current Status: File Located in Archives **RBCA GW:** Cleanups to 2L.0202 standards

PETOPT: False RPL: CD Num: 482 Reel Num: 0 RPOW: False RPOP: False Error Flag: Error Code: Ν Valid: False

Lat/Long Decimal: 35.7249 -79.4567 Testlat: Not reported Regional Officer Project Mgr: DMD Region: RAL

Company: Not reported Contact Person: DAN HIGDON Telephone: 2316202058

RP Address: 1766 STOCKYARD RD RP City,St,Zip: STALEY, NC 27355 RP County: Not reported

On 1/20/10, following prior removal of 550 gal UST, 28.10 tons of Comments:

contaminated soil were excavated. Soil samples indicated no

exceedance of MSCCs-dmd/2/26/10////

5 Min Quad: Not reported

PIRF:

Facility Id: 33792

Date Occurred: 2010-01-12 00:00:00 Date Reported: 2010-01-15 00:00:00

Description Of Incident: On 1/20/10, following prior removal of 550 gal UST, 28.10 tons of

contaminated soil were excavated. Soil samples indicated no

exceedance of MSCCs.

Owner/Operator: Not reported

Ownership: 4 Operation Type: 3 Type: 4 Location:

Site Priority: Not reported Priority Update: Not reported

Wells Affected Y/N: Ν

Samples Include: Not reported

7#5 Minute Quad:

5 Minute Quad: Not reported Pirf/Min Soil: Not reported Release Code: Not reported Not reported Source Code:

Err Type: 2 Cause: 3 Source: Α Р Ust Number:

Map ID
Direction

MAP FINDINGS

Distance

Elevation Site Database(s) EPA ID Number

HIGDON RESIDENTIAL UST (Continued)

S110303248

EDR ID Number

Last Modified: Not reported Incident Phase: **Closed Out** NOV Issued: Not reported NORR Issued: Not reported 45 Day Report: Not reported Public Meeting Held: Not reported Corrective Action Planned: Not reported SOC Signed: Not reported Reclassification Report: Not reported RS Designation: Not reported Closure Request Date: Not reported Close-out Report: Not reported

LUST TRUST:

Facility ID: Not reported Site ID: 33792

Site Note: Noncommercial; 100% eligible; \$0 deductible. Track this as a site that

would have been 5K + 10% as this is receiving 100% because of Session

Law 2010-154. [CGS 12/15/10]

Site Eligible?: True

Commercial Find: 100% Non-Commercial

Priority Rank: Not reported

Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

<u>Click this hyperlink</u> while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

Count: 8 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SILER CITY	U003145606	THE PANTRY 4658 DBA PARK N SHOP 14	1516 EAST 11TH STREET	27344	LUST, LUST TRUST, UST, Financial Assurance
SILER CITY	S117329820	QUICKIE WAY MART	1322 EAST 11TH STREET	27344	LUST, LUST TRUST
SILER CITY	U003143428	FIVE-STAR	1212 E 11TH ST	27344	LUST, UST
SILER CITY	S109367312	CHATHAM CHEVROLET BUICK PONTIAC	1402 EAST 11TH STREET	27344	LUST
SILER CITY	S105219249	TANK & TUMMY #3	HWY 64 AND E. 3RD STREET		LUST TRUST
SILER CITY	1003868269	HARRELSON RUBBER CO	S CHATHAM AVE	27344	SEMS-ARCHIVE
SILER CITY	S117845923	CHATHAM CREATIVE ARTS PROPERTY	1380& 144 N. CHATHAM AVE.		LAST
SILER CITY	S105765406	SERVCO-SILER CITY	408 NORTH SECOND ST.	27344	LUST, IMD

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/07/2016 Source: EPA
Date Data Arrived at EDR: 04/05/2016 Telephone: N/A

Number of Days to Update: 10 Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016 Source: EPA
Date Data Arrived at EDR: 04/05/2016 Telephone: N/A

Number of Days to Update: 10 Next Scheduled EDR Contact: 04/18/2016
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/07/2016 Date Data Arrived at EDR: 04/05/2016 Date Made Active in Reports: 04/15/2016

Number of Days to Update: 10

Source: EPA Telephone: N/A

Last EDR Contact: 04/05/2016

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 04/08/2016

Next Scheduled EDR Contact: 07/18/2016 Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016 Date Data Arrived at EDR: 04/05/2016 Date Made Active in Reports: 04/15/2016

Number of Days to Update: 10

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/05/2016

Next Scheduled EDR Contact: 08/01/2016 Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 03/07/2016 Date Data Arrived at EDR: 04/05/2016 Date Made Active in Reports: 04/15/2016

Number of Days to Update: 10

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 04/05/2016

Next Scheduled EDR Contact: 08/01/2016 Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2015 Date Data Arrived at EDR: 03/02/2016 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 34

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2015 Date Data Arrived at EDR: 03/02/2016 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015 Date Data Arrived at EDR: 03/02/2016 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2015 Date Data Arrived at EDR: 03/02/2016 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015 Date Data Arrived at EDR: 03/02/2016 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016

Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 02/16/2016

Next Scheduled EDR Contact: 05/30/2016 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/29/2016

Next Scheduled EDR Contact: 06/13/2016 Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/29/2016

Next Scheduled EDR Contact: 06/13/2016

Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 06/22/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority

List as well as those on the state priority list.

Date of Government Version: 08/09/2011 Date Data Arrived at EDR: 11/08/2011 Date Made Active in Reports: 12/05/2011

Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis

Telephone: 919-754-6580 Last EDR Contact: 04/27/2016

Next Scheduled EDR Contact: 08/15/2016 Data Release Frequency: Biennially

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Sites Inventory

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 02/15/2016 Date Data Arrived at EDR: 03/17/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 25

Source: Department of Environment, Health and Natural Resources

Telephone: 919-508-8400 Last EDR Contact: 03/17/2016

Next Scheduled EDR Contact: 06/27/2016 Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/28/2015 Date Data Arrived at EDR: 12/30/2015 Date Made Active in Reports: 02/08/2016

Number of Days to Update: 40

Source: Department of Environment and Natural Resources

Telephone: 919-733-0692 Last EDR Contact: 03/31/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Semi-Annually

OLI: Old Landfill Inventory

Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 03/27/2015 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 04/30/2015

Number of Days to Update: 13

Source: Department of Environment & Natural Resources

Telephone: 919-733-4996 Last EDR Contact: 04/15/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Varies

State and tribal leaking storage tank lists

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tank site locations.

Date of Government Version: 02/05/2016 Date Data Arrived at EDR: 02/11/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 60

Source: Department of Environment & Natural Resources

Telephone: 877-623-6748 Last EDR Contact: 02/11/2016

Next Scheduled EDR Contact: 05/23/2016 Data Release Frequency: Quarterly

LUST: Regional UST Database

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 02/05/2016 Date Data Arrived at EDR: 02/11/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 60

Source: Department of Environment and Natural Resources

Telephone: 919-733-1308 Last EDR Contact: 02/11/2016

Next Scheduled EDR Contact: 05/23/2016 Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/04/2015 Date Data Arrived at EDR: 11/13/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 52

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 04/27/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 11/24/2015 Date Data Arrived at EDR: 12/01/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 34

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 04/26/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 08/20/2015 Date Data Arrived at EDR: 10/30/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 111

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016 Date Data Arrived at EDR: 01/08/2016 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 41

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 04/27/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015
Date Data Arrived at EDR: 10/23/2015
Date Made Active in Reports: 02/18/2016

Number of Days to Update: 118

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 04/27/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/30/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015 Date Data Arrived at EDR: 10/29/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 67

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Varies

LUST TRUST: State Trust Fund Database

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 01/08/2016 Date Data Arrived at EDR: 01/13/2016 Date Made Active in Reports: 02/08/2016

Number of Days to Update: 26

Source: Department of Environment and Natural Resources

Telephone: 919-733-1315 Last EDR Contact: 04/13/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Semi-Annually

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 04/11/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Varies

UST: Petroleum Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/05/2016 Date Data Arrived at EDR: 02/11/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 60

Source: Department of Environment and Natural Resources

Telephone: 919-733-1308 Last EDR Contact: 02/11/2016

Next Scheduled EDR Contact: 05/23/2016 Data Release Frequency: Quarterly

AST: AST Database

Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 04/14/2015 Date Data Arrived at EDR: 06/23/2015 Date Made Active in Reports: 07/17/2015

Number of Days to Update: 24

Source: Department of Environment and Natural Resources

Telephone: 919-715-6183 Last EDR Contact: 03/21/2016

Next Scheduled EDR Contact: 07/04/2016 Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015 Date Data Arrived at EDR: 11/13/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 52

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 04/27/2016

Next Scheduled EDR Contact: 08/08/2016

Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 08/20/2015 Date Data Arrived at EDR: 10/30/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 111

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/13/2015 Date Data Arrived at EDR: 10/23/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 118

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015 Date Data Arrived at EDR: 10/29/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 67

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016 Date Data Arrived at EDR: 01/08/2016 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 41

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 04/29/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/24/2015 Date Data Arrived at EDR: 12/01/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 34

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 04/26/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Semi-Annually

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 04/27/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring

A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 02/15/2016 Date Data Arrived at EDR: 03/17/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 25

Source: Department of Environment, Health and Natural Resources

Telephone: 919-508-8400 Last EDR Contact: 03/17/2016

Next Scheduled EDR Contact: 06/27/2016 Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VCP: Responsible Party Voluntary Action Sites Responsible Party Voluntary Action site locations.

Date of Government Version: 02/15/2016 Date Data Arrived at EDR: 03/17/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 25

Source: Department of Environment and Natural Resources

Telephone: 919-508-8400 Last EDR Contact: 03/17/2016

Next Scheduled EDR Contact: 06/27/2016 Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 04/01/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects Inventory

A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitly control.

Date of Government Version: 01/04/2016 Date Data Arrived at EDR: 01/07/2016 Date Made Active in Reports: 02/08/2016

Number of Days to Update: 32

Source: Department of Environment and Natural Resources

Telephone: 919-733-4996 Last EDR Contact: 04/07/2016

Next Scheduled EDR Contact: 07/18/2016

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2015 Date Data Arrived at EDR: 12/23/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 57

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 03/22/2016

Next Scheduled EDR Contact: 07/04/2016 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

HIST LF: Solid Waste Facility Listing A listing of solid waste facilities.

Date of Government Version: 11/06/2006 Date Data Arrived at EDR: 02/13/2007 Date Made Active in Reports: 03/02/2007

Number of Days to Update: 17

Source: Department of Environment & Natural Resources

Telephone: 919-733-0692 Last EDR Contact: 01/19/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SWRCY: Recycling Center Listing

A listing of recycling center locations.

Date of Government Version: 02/23/2016 Date Data Arrived at EDR: 02/25/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 46

Source: Department of Environment & Natural Resources

Telephone: 919-707-8137 Last EDR Contact: 05/02/2016

Next Scheduled EDR Contact: 08/15/2016 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998 Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 04/27/2016

Next Scheduled EDR Contact: 08/15/2016 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside

County and northern Imperial County, California.

Date of Government Version: 01/12/2009 Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 04/21/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/1985 Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/17/2015 Date Data Arrived at EDR: 12/04/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 76

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/01/2016

Next Scheduled EDR Contact: 06/13/2016 Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/17/2015 Date Data Arrived at EDR: 12/04/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 76

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 03/01/2016

Next Scheduled EDR Contact: 06/13/2016 Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 04/26/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 68

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Annually

SPILLS: Spills Incident Listing

A listing spills, hazardous material releases, sanitary sewer overflows, wastewater treatment plant bypasses and upsets, citizen complaints, and any other environmental emergency calls reported to the agency.

Date of Government Version: 03/15/2016 Date Data Arrived at EDR: 03/18/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 24

Source: Department of Environment & Natural Resources

Telephone: 919-807-6308 Last EDR Contact: 03/14/2016

Next Scheduled EDR Contact: 06/27/2016 Data Release Frequency: Varies

IMD: Incident Management Database

Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006 Date Data Arrived at EDR: 08/01/2006 Date Made Active in Reports: 08/23/2006

Number of Days to Update: 22

Source: Department of Environment and Natural Resources

Telephone: 919-733-3221 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/27/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/06/2013

Number of Days to Update: 62

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 06/14/2001 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 03/06/2013

Number of Days to Update: 62

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/09/2015 Date Data Arrived at EDR: 03/02/2016 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 34

Source: Environmental Protection Agency

Telephone: (404) 562-8651 Last EDR Contact: 03/30/2016

Next Scheduled EDR Contact: 07/11/2016

Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 03/11/2016

Next Scheduled EDR Contact: 06/20/2016 Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 04/15/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 04/15/2016

Next Scheduled EDR Contact: 07/25/2016

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/19/2016

Next Scheduled EDR Contact: 05/30/2016 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 02/16/2016

Next Scheduled EDR Contact: 05/30/2016 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 02/09/2016

Next Scheduled EDR Contact: 05/23/2016 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency Telephone: 703-308-4044

Last EDR Contact: 02/12/2016

Next Scheduled EDR Contact: 05/23/2016

Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 03/24/2016

Next Scheduled EDR Contact: 07/04/2016 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 11/24/2015 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 133

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 02/24/2016

Next Scheduled EDR Contact: 06/06/2016 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA Telephone: 202-564-4203

Last EDR Contact: 04/25/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 03/08/2016

Next Scheduled EDR Contact: 06/20/2016 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015 Date Data Arrived at EDR: 08/26/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 69

Source: Environmental Protection Agency Telephone: 202-564-8600

Last EDR Contact: 04/25/2016

Next Scheduled EDR Contact: 08/08/2016 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 02/12/2016

Next Scheduled EDR Contact: 05/23/2016 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 04/12/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 04/08/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009

Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 02/22/2016

Next Scheduled EDR Contact: 06/06/2016 Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 02/22/2016

Next Scheduled EDR Contact: 06/06/2016 Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016 Date Data Arrived at EDR: 03/18/2016 Date Made Active in Reports: 04/15/2016

Number of Days to Update: 28

Source: Nuclear Regulatory Commission Telephone: 301-415-7169

Last EDR Contact: 02/08/2016
Next Scheduled EDR Contact: 05/23/2016

Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 04/15/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 03/11/2016

Next Scheduled EDR Contact: 06/20/2016 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 04/26/2016

Next Scheduled EDR Contact: 08/08/2016

Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/07/2015 Date Data Arrived at EDR: 07/09/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 04/08/2016

Next Scheduled EDR Contact: 07/18/2016 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 05/04/2016

Next Scheduled EDR Contact: 08/15/2016 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 03/24/2016

Next Scheduled EDR Contact: 07/11/2016

Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 09/30/2015

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 02/26/2016

Next Scheduled EDR Contact: 06/06/2016 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 04/15/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 11/23/2015 Date Data Arrived at EDR: 11/24/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 86

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 02/08/2016

Next Scheduled EDR Contact: 05/23/2016 Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010 Date Data Arrived at EDR: 10/07/2011 Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 03/28/2016

Next Scheduled EDR Contact: 06/06/2016 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 04/07/2016

Next Scheduled EDR Contact: 07/18/2016 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001 Date Data Arrived at EDR: 10/27/2010 Date Made Active in Reports: 12/02/2010

Number of Days to Update: 36

Source: American Journal of Public Health Telephone: 703-305-6451

Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/20/2015 Date Data Arrived at EDR: 10/27/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 69

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 03/24/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

> Date of Government Version: 10/20/2015 Date Data Arrived at EDR: 10/27/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 69

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 03/24/2016

Next Scheduled EDR Contact: 07/11/2016 Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2016 Date Data Arrived at EDR: 03/02/2016 Date Made Active in Reports: 04/15/2016

Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 03/02/2016

Next Scheduled EDR Contact: 06/13/2016 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 03/04/2016

Next Scheduled EDR Contact: 06/13/2016 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 03/04/2016

Next Scheduled EDR Contact: 06/13/2016 Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 55

Source: EPA

Telephone: (404) 562-9900 Last EDR Contact: 03/08/2016

Next Scheduled EDR Contact: 06/20/2016 Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Sites

A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 04/22/2015 Date Data Arrived at EDR: 08/04/2015 Date Made Active in Reports: 09/15/2015

Number of Days to Update: 42

Source: Department of Environment & Natural Resources

Telephone: 919-807-6359 Last EDR Contact: 05/02/2016

Next Scheduled EDR Contact: 08/15/2016 Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites

Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 03/02/2015 Date Data Arrived at EDR: 06/25/2015 Date Made Active in Reports: 09/08/2015

Number of Days to Update: 75

Source: Department of Environment & Natural Resources

Telephone: 919-508-8400 Last EDR Contact: 03/23/2016

Next Scheduled EDR Contact: 07/04/2016 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/10/2016 Date Data Arrived at EDR: 02/12/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 59

Source: Department of Environment & Natural Resources

Telephone: 919-733-1322 Last EDR Contact: 02/08/2016

Next Scheduled EDR Contact: 05/23/2016 Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/02/2012 Date Data Arrived at EDR: 10/03/2012 Date Made Active in Reports: 10/26/2012

Number of Days to Update: 23

Source: Department of Environmental & Natural Resources

Telephone: 919-508-8496 Last EDR Contact: 04/11/2016

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information Hazardous waste financial assurance information.

Date of Government Version: 09/14/2015 Date Data Arrived at EDR: 09/15/2015 Date Made Active in Reports: 10/22/2015

Number of Days to Update: 37

Source: Department of Environment & Natural Resources

Telephone: 919-707-8222 Last EDR Contact: 03/14/2016

Next Scheduled EDR Contact: 06/27/2016 Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing

General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 02/17/2016 Date Data Arrived at EDR: 02/19/2016 Date Made Active in Reports: 05/03/2016

Number of Days to Update: 74

Source: Department of Environment & Natural Resources

Telephone: 919-733-7015 Last EDR Contact: 05/02/2016

Next Scheduled EDR Contact: 08/15/2016

Data Release Frequency: Varies

UIC: Underground Injection Wells Listing

A listing of uncerground injection wells locations.

Date of Government Version: 02/12/2016 Date Data Arrived at EDR: 02/16/2016 Date Made Active in Reports: 04/11/2016

Number of Days to Update: 55

Source: Department of Environment & Natural Resources

Telephone: 919-807-6412 Last EDR Contact: 02/03/2016

Next Scheduled EDR Contact: 05/23/2016 Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015 Date Data Arrived at EDR: 09/23/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 103

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 03/23/2016

Next Scheduled EDR Contact: 07/04/2016 Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/23/2015 Date Data Arrived at EDR: 11/24/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 86

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 02/24/2016

Next Scheduled EDR Contact: 06/06/2016 Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

North Carbon 45 North Arrived Active in Reports: N/A

North Carbon 45 North Arrived Active in Reports N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Data Release Frequency: Varies

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Health and Natural Resources Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A

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RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/13/2014 Number of Days to Update: 196

Source: Department of Environment, Health and Natural Resources Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environment, Health and Natural Resources in North Carolina.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 12/20/2013

Number of Days to Update: 172

Source: Department of Environment, Health and Natural Resources Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 02/18/2016

Next Scheduled EDR Contact: 05/30/2016 Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 07/17/2015 Date Made Active in Reports: 08/12/2015

Number of Days to Update: 26

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 04/12/2016

Next Scheduled EDR Contact: 07/25/2016 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 02/01/2016 Date Data Arrived at EDR: 02/03/2016 Date Made Active in Reports: 03/22/2016

Number of Days to Update: 48

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 02/03/2016

Next Scheduled EDR Contact: 05/16/2016 Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/24/2015 Date Made Active in Reports: 08/18/2015

Number of Days to Update: 25

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 04/18/2016

Next Scheduled EDR Contact: 08/01/2016 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/19/2015 Date Made Active in Reports: 07/15/2015

Number of Days to Update: 26

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 03/21/2016

Next Scheduled EDR Contact: 06/06/2016 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 03/19/2015 Date Made Active in Reports: 04/07/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 03/14/2016

Next Scheduled EDR Contact: 06/27/2016 Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are

comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List

Source: Department of Health & Human Services

Telephone: 919-662-4499

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: US Fish & Wildlife Service Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map

STREET AND ADDRESS INFORMATION

Source: U.S. Geological Survey

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER TOWNSEND PLANT 1101 EAST THIRD STREET SILER CITY, NC 27344

TARGET PROPERTY COORDINATES

Latitude (North): 35.731855 - 35° 43' 54.68" Longitude (West): 79.450155 - 79° 27' 0.56"

Universal Tranverse Mercator: Zone 17 UTM X (Meters): 640163.9 UTM Y (Meters): 3955115.5

Elevation: 603 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5945587 SILER CITY, NC

Version Date: 2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

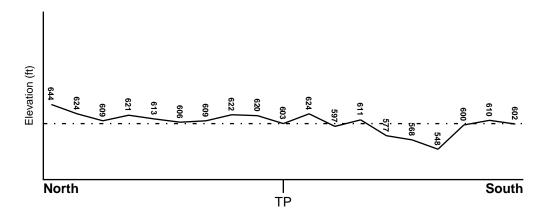
TOPOGRAPHIC INFORMATION

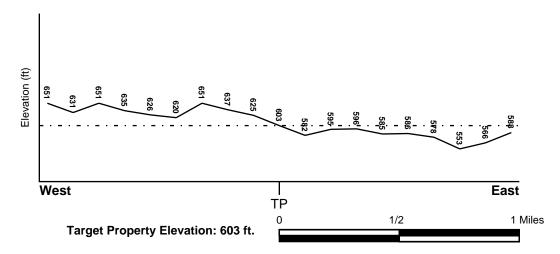
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

FEMA Flood

Target Property County CHATHAM, NC

Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:

37037C - FEMA DFIRM Flood data

Additional Panels in search area:

Not Reported

NATIONAL WETLAND INVENTORY

NWI Electronic

NWI Quad at Target Property

Data Coverage

SILER CITY

YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID Not Reported LOCATION FROM TP

GENERAL DIRECTION GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

Era: Paleozoic Category: Eugeosynclinal Deposits

System: Cambrian Series: Cambrian

Code: Ce (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: HERNDON

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to

water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.50 Min: 4.50
2	9 inches	48 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60
3	48 inches	68 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 3.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam

gravelly - silt loam stony - silt loam clay loam

channery - silt loam

loam

Surficial Soil Types: sandy loam

gravelly - silt loam stony - silt loam clay loam channery - silt loam

loam

Shallow Soil Types: silty clay loam

sandy clay silt loam loam clay loam

very channery - silt loam

Deeper Soil Types: silty clay loam

weathered bedrock unweathered bedrock sandy clay loam

clay

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

FEDERAL USGS WELL INFORMATION

LOCATION

MAP ID WELL ID FROM TP

1 USGS40000889867 1/4 - 1/2 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION

MAP ID WELL ID FROM TP

2 NC0276606 1/2 - 1 Mile SW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP

No Wells Found

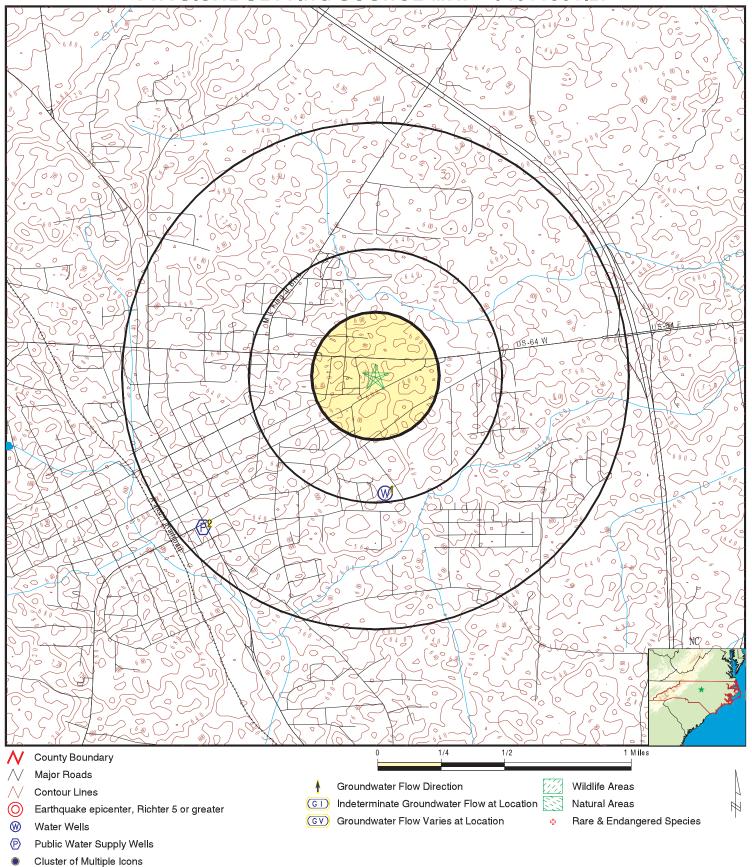
OTHER STATE DATABASE INFORMATION

NORTH CAROLINA SIGNIFICANT NATURAL HERITAGE AREAS DATABASE:

ID Name

NC10003408 UPPER ROCKY RIVER AQUATIC HABITAT

PHYSICAL SETTING SOURCE MAP - 04611581.2r



SITE NAME: Former Townsend Plant ADDRESS: 1101 East Third Street

Siler City NC 27344 LAT/LONG: 35.731855 / 79.450155 CLIENT: Duncklee & Dunham, PC CONTACT: Russell Molyneux

INQUIRY #: 04611581.2r DATE: May 06, 2016 10:37 am

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

South

1/4 - 1/2 Mile

Lower Org. Identifier: **USGS-NC**

Formal name: USGS North Carolina Water Science Center

Monloc Identifier: USGS-354330079265901

Monloc name: CH-088 Well Monloc type:

Monloc desc: Not Reported

Not Reported Drainagearea value: Not Reported Huc code: Not Reported Contrib drainagearea: Not Reported Drainagearea Units: 35.7251403 Contrib drainagearea units: Not Reported Latitude: Longitude: -79.449465 Sourcemap scale: Not Reported seconds Horiz Acc measure: Horiz Acc measure units:

Horiz Collection method: Interpolated from map

Horiz coord refsys: NAD83 Vert measure val: Not Reported Not Reported Not Reported Vert measure units: Vertacc measure val:

Vert accmeasure units: Not Reported Vertcollection method: Not Reported

Vert coord refsys: Not Reported Countrycode:

Aquifername: Piedmont and Blue Ridge crystalline-rock aquifers

Formation type: Argillite Not Reported Aquifer type:

Construction date: Not Reported Welldepth: 120

Welldepth units: Wellholedepth: Not Reported

Wellholedepth units: Not Reported

Ground-water levels, Number of Measurements: 0

FRDS PWS NC0276606

1/2 - 1 Mile Higher

> Epa region: 04 State: NC

NC0276606 Pwsid:

Pwsname: **COLERIDGE RESTAURANT**

NC City served: Not Reported State served: 37151 Zip served: Not Reported Fips county: Status: Closed Pop srvd: 30

Pwssvcconn: Source: Groundwater Pws type: **TNCWS** Owner: Private

ALTON GRAY OR MGR Contact:

Contactor gname: Not Reported

Contact phone: Not Reported Contact address1: Not Reported Contact address2: Not Reported Contact city: SILER CITY Contact state: NC Contact zip: 27344

Activity code:

FED USGS

US

USGS40000889867

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Location Information:

Name: COLERIDGE RESTAURANT

Pwstypcd: TNCWS Primsrccd: GW

Popserved: 30

Add1: Not Reported Add2: Not Reported

City: SILER CITY State: NC

Zip:27344Phone:Not ReportedCityserv:SILER CITYCntyserv:Not ReportedStateserv:NCZipserv:Not Reported

PWS ID: NC0276606

Date Initiated: 8505 Date Deactivated: Not Reported

PWS Name: COLERIDGE RESTAURANT

SILER CITY, NC 27344

Addressee / Facility: System Owner/Responsible Party

ALTON GRAY OR MGR

RT 4 BOX 108

SILER CITY, NC 27344

Addressee / Facility: System Owner/Responsible Party

ALTON GRAY RT 4 BOX 108

SILER CITY, NC 27344

Facility Latitude: 35 43 23 Facility Longitude: 079 27 45 Facility Latitude: 35 38 45 Facility Longitude: 079 36 55

City Served: SILER CITY

Treatment Class: Untreated Population: 00000030

Violations information not reported.

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Database EDR ID Number

NC_SNHA NC10003408

Site Name: UPPER ROCKY RIVER AQUATIC HABITAT

Quality: Acres per Polygon: UPPER ROCKY RIVER AQUATIC HABITATION Not Reported 221.36

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: NC Radon

Radon Test Results

Num Results	Avg pCi/L	Min pCi/L	Max pCi/L
1	3.70	3.7	3.7

Federal EPA Radon Zone for CHATHAM County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for CHATHAM COUNTY, NC

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor Living Area - 2nd Floor	-0.033 pCi/L Not Reported	100% Not Reported	0% Not Reported	0% Not Reported
Basement	0.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory Source: US Fish & Wildlife Service Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells Source: Department of Environmental Health

Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

NC Natural Areas: Significant Natural Heritage Areas Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A polygon converage identifying sites (terrestrial or aquatic that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or hight quality natural communities, or other important ecological features.

NC Game Lands: Wildlife Resources Commission Game Lands Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites

Source: Center for Geographic Information and Analysis

Telephone: 919-733-2090

A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

RADON

State Database: NC Radon

Source: Department of Environment & Natural Resources

Telephone: 919-733-4984

Radon Statistical and Non Statiscal Data

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Divider Page

FIVE-STAR 1212 E 11TH ST SILER CITY, NC 27344

Inquiry Number: May 23, 2016

EDR Site Report[™]

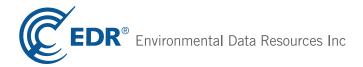


TABLE OF CONTENTS

The EDR-Site Report[™] is a comprehensive presentation of government filings on a facility identified in a search of federal, state and local environmental databases. The report is divided into three sections:

Sectio	n 1: Facility Summary
,	Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.
Sectio	n 2: Facility Detail Reports
	All available detailed information from databases where sites are identified.
Sectio	n 3: Databases and Update InformationPage
	Name, source, update dates, contact phone number and description of each of the databases for this report.

Thank you for your business.Please contact EDR at 1-800-352-0050 with any questions or comments.

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 FIVE-STAR 1212 E 11TH ST
AREA	SILER CITY, NC 27344 EDR ID #U003143428
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility is a FUSRAP Site	NO
Facility is a UXO Site	NO
Facility is a FUELS Site	NO
Facility is an DockHWC/ECHO Site	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	YES - p4
Facility has reported leaking underground storage tank incidents (LUST)	YES - p6
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (SEMS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in other database records (OTHER)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	2

WASTE MANAGEMENT

Facility manages registered underground storage tanks

DATABASE: Petroleum Storage Tank Database (UST)

FIVE-STAR 1212 E 11TH ST SILER CITY, NC 27344 EDR ID #U003143428

UST:

Facility Id: Contact:

00-0-0000007115 BILLY J. SILER SR 1215 N MARTIN LUTHER KING BLVD Contact Address1:

Contact Address2:

Not reported SILER CITY, NC 27344 Contact City/State/Zip:

FIPS County Desc: Chatham Latitude: Longitude: 0

Tank Id:

Tank Status: Removed Installed Date: 05/09/1983 Perm Close Date: 02/21/1998 Product Key:

Product Name: Gasoline, Gas Mix

Tank Capacity: 3000 Root Tank Id: Not reported

Main Tank: No Compartment Tank: No

Manifold Tank: Not reported

Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel Piping Construction: Single Wall Steel Piping System Key: Other CP Tank: Unknown Not reported Overfill Protection Key: Overfill Protection Name: Unknown Spill Protection Key: Spill Protection Name: Ùnknown

Leak Detection Key: Leak Detection Name: Unknown

Decode for TCONS_KEY:
Decode for PCONS_KEY:
Decode for PSYS_KEY: Single Wall Steel Single Wall Steel Unknown

Tank Id: Removed Tank Status: Installed Date: 05/09/1983 Perm Close Date: 02/21/1998

Product Key: Product Name: Gasoline, Gas Mix Tank Capacity: 6000

Root Tank Id: Not reported Main Tank: No Compartment Tank: No Manifold Tank: Not reported

Commercial: Yes Regulated: Yes Tank Construction: Single Wall Steel

Piping Construction: Piping System Key: Other CP Tank: Single Wall Steel Unknown Not reported Overfill Protection Key: Overfill Protection Name: Unknown Spill Protection Key: Spill Protection Name: Unknown Leak Detection Kev: Leak Detection Name: Unknown

Single Wall Steel Single Wall Steel Decode for TCONS_KEY: Decode for PCONS_KEY: Decode for PSYS_KEY: Unknown

Tank Id:

Tank Status: Removed Installed Date: 05/12/1971 Perm Close Date: 02/21/1998

...Continued...

Product Key: Product Name: Gasoline, Gas Mix Tank Capacity: Root Tank Id: Main Tank: 5000 Not reported No

Compartment Tank: Manifold Tank: No Not reported Yes Commercial:

Commercial:
Regulated:
Tank Construction:
Piping Construction:
Piping System Key:
Other CP Tank:
Overfill Protection Key:
Overfill Protection Name:
Spill Protection Name:
Leak Detection Key: Yes Single Wall Steel Unknown Unknown Not reported

Unknown Unknown Leak Detection Key: Leak Detection Name: Unknown Single Wall Steel

Decode for TCONS_KEY: Decode for PCONS_KEY: Decode for PSYS_KEY: Unknown Unknown

Tank Id: Tank Status: Removed Installed Date: 05/12/1971 Perm Close Date: 02/21/1998 Product Key:

Product Name: Tank Capacity: Gasoline, Gas Mix 4000

Root Tank Id: Main Tank: Not reported No

Compartment Tank: Manifold Tank: No Not reported

Commercial: Yes Regulated: Yes

Regulated:
Tank Construction:
Piping Construction:
Piping System Key:
Other CP Tank:
Overfill Protection Key:
Overfill Protection Name:
Spill Protection Name:
Leak Detection Name:
Leak Detection Name: Single Wall Steel Unknown Unknown Not reported

Unknown Unknown

Leak Detection Name: Unknown Decode for TCONS_KEY: Decode for PCONS_KEY: Decode for PSYS_KEY: Single Wall Steel Unknown Unknown

...Continued...

WASTE MANAGEMENT

Facility has reported leaking underground storage tank incidents

DATABASE: Leaking Petroleum Storage Tank Database (LUST)

FIVE-STAR 1212 E 11TH ST SILER CITY, NC 27344 EDR ID #U003143428 Database Address: FIVE STAR 1212 E. 11TH ST. SILER CITY, NC 27344 LUST: Facility ID: 00-0-000 UST Number: RA-3623 22508 Incident Number: GW Contamination Type: Source Type: Product Type: Leak-underground 02/23/1998 Date Reported: Date Occur: 01/21/1998 Cleanup: Not reported Closure Request: Not reported Close Out: Level Of Soil Cleanup Achieved: Residential Tank Regulated Status: # Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL Risk Classification: Risk Class Based On Review: Corrective Action Plan Type:
NOV Issue Date: Not reported Not reported 01/24/2001 NORR Issue Date: Site Priority: Phase Of LSA Req: Not reported Not reported Industrial/commercial Site Risk Reason: Land Use: MTBE: No MTBE1: Yes Flag: No Flag1: LUR Filed: Nο 08/01/2003 Release Detection: Current Status: File Located in Archives RBCA GW: PETOPT: Cleanups to alternate standards False RPL: CD Num: 226 Reel Num: 85 RPOW: RPOP: False False Error Flag: Error Code: Ν Valid: False Lat/Long Decimal: 35.7327 -79.4533 Testlat: Not reported Regional Officer Project Mgr: Region: RAL Company: Not reported BILLY SILER, SR. 9197425570 Contact Person: Telephone: RP Address: 1215 MLK BLVD. RP City, St, Zip: SILER CITY, NC 27344-RP County: **CHATHAM** THIS REPORT WAS REVIEWED BY KCG-WSRO. (ZMB) // NRP recorded by Comments: Chatham County Reg of Deeds 8/1/03, Book 1043, Page 641-647, RKD. 5 Min Quad: Not reported PIRF: Facility Id: Date Occurred: 22508 1998-01-21 00:00:00 Date Reported: 2000-11-07 00:00:00 SOIL CONTAMINATION DISCOVERED DURING UST REMOVAL Description Of Incident: Owner/Operator: **BILL SILER** Ownership: Operation Type: 6 Type:

...Continued...

2000-11-07 00:00:00 N

Location:
Site Priority:
Priority Update:
Wells Affected Y/N:
Samples Include:
7#5 Minute Quad:
5 Minute Quad:
Pirf/Min Soil:
Release Code:
Source Code:
Err Type:
Cause: N Not reported Not reported Not reported Not reported Not reported 2 2 Not reported C C

Cause:

Source: Ust Number:

Last Modified:
Incident Phase:
NOV Issued:
NORR Issued:
45 Day Report:
Public Meeting Held:
Corrective Action Planned:
SOC Signed:
Reclassification Report: 2003-07-15 00:00:00 Closed Out Not reported Not reported Not reported Not reported Not reported Not reported Reclassification Report: Not reported RS Designation: Closure Request Date: Close-out Report: Not reported Not reported Not reported

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

NC LUST: Regional UST Database
Source: Department of Environment and Natural Resources

Telephone: 919-733-1308

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 02/05/2016 Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/12/2016 Date of Next Scheduled Update: 08/22/2016

NC UST: Petroleum Underground Storage Tank Database Source: Department of Environment and Natural Resources

Telephone: 919-733-1308

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/05/2016 Database Release Frequency: Quarterly Date of Last EDR Contact: 05/12/2016 Date of Next Scheduled Update: 08/22/2016

Divider Page

CHATHAM CHEVROLET BUICK PONTIAC

1402 EAST 11TH STREET SILER CITY, NC 27344

Inquiry Number: May 23, 2016

EDR Site Report™

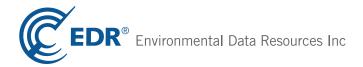


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	Name, source, update dates, contact phone number and description of each of the databases for this report.	

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 CHATHAM CHEVROLET BUICK PONTIAC 1402 EAST 11TH STREET SILER CITY, NC 27344 EDR ID #\$109367312				
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO				
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO				
Facility has received Notices of Violations (RCRA/VIOL)	NO				
Facility has been subject to RCRA administrative actions (RAATS)	NO				
Facility has been subject to corrective actions (CORRACTS)	NO				
Facility handles PCBs (PADS)	NO				
Facility uses radioactive materials (MLTS)	NO				
Facility is a FUSRAP Site	NO				
Facility is a UXO Site	NO				
Facility is a FUELS Site	NO				
Facility is an DockHWC/ECHO Site	NO				
Facility manages registered aboveground storage tanks (AST)	NO				
Facility manages registered underground storage tanks (UST)	NO				
Facility has reported leaking underground storage tank incidents (LUST)	YES - p4				
Facility has reported emergency releases to the soil (ERNS)	NO				
Facility has reported hazardous material incidents to DOT (HMIRS)	NO				
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO				
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (SEMS)	NO				
Facility has a reported Superfund Lien on it (LIENS)	NO				
Facility is listed as a state hazardous waste site (SHWS)	NO				
Facility has disposed of solid waste on-site (SWF/LF)	NO				
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO				
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO				
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO				
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO				
Facility is listed in EPA's index system (FINDS)	NO				
Facility is listed in other database records (OTHER)	NO				
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO				
TOTAL (YES)	1				

WASTE MANAGEMENT

1402 EAST 11TH STREET SILER CITY, NC 27344 EDR ID #S109367312

CHATHAM CHEVROLET BUICK PONTIAC

Facility has reported leaking underground storage tank incidents

DATABASE: Leaking Petroleum Storage Tank Database (LUST)

```
LUST:
   Facility ID:
UST Number:
                            Not reported
                            RA-6033
                            33570
   Incident Number:
   Contamination Type:
   Source Type:
                            Leak-underground
   Product Type:
  Date Reported:
Date Occur:
                            09/03/2008
                            10/26/2007
   Cleanup:
                            10/26/2007
   Closure Request:
                            Not reported
   Close Out:
                            Not reported
   Level Of Soil Cleanup Achieved:
                                            Not reported
   Tank Regulated Status:
   # Of Supply Wells:
   Commercial/NonCommercial UST Site:
                                            COMMERCIAL
   Risk Classification:
                                            Not reported
   Risk Class Based On Review:
   Corrective Action Plan Type:
                                            Not reported
   NOV Issue Date:
                            Not reported
   NORR Issue Date:
                            Not reported
   Site Priority:
                            Not reported
   Phase Of LSA Reg:
   Site Risk Reason:
Land Use:
                            Not reported
                            Not reported
   MTBE:
                            No
   MTBE1:
                            Unknown
  Flag:
                            No
  Flag1:
LUR Filed:
                            No
                            Not reported
   Release Detection:
  Current Status:
RBCA GW:
PETOPT:
                            File Located in House
                            Not reported
                            3
False
  RPL:
CD Num:
  Reel Num:
RPOW:
RPOP:
                            False
                            False
   Error Flag:
   Error Code:
                            Ν
   Valid:
                            False
                            35.7316 -79.4460
   Lat/Long Decimal:
   Testlat:
                            Not reported
   Regional Officer Project Mgr:
   Region:
                                            RAL
   Company:
Contact Person:
                                            Chevrolet Buick Pontiac
                                            Glyn Collins
   Telephone:
                                            Not reported
   RP Address:
                                            1402 East 11th Street
   RP City,St,Zip:
                                            Siler City, NC 27344
   RP County:
                                            Not reported
   Comments:
                            Not reported
   5 Min Quad:
                            Not reported
PIRF:
  Facility Id:
Date Occurred:
                                            33570
2007-10-26 00:00:00
   Date Reported:
                                            2008-09-03 00:00:00
   Description Of Incident:
                                            Limited Phase II Environmental Site Assessment Report
   Owner/Operator:
                                            Not reported
   Ownership:
   Operation Type:
                                            6
   Type:
   Location:
   Site Priority:
                                            Not reported
   Priority Update:
                                            Not reported
   Wells Affected Y/N:
   Samples Include:
                                            Not reported
   7#5 Minute Quad:
```

...Continued...

5 Minute Quad: Pirf/Min Soil: Release Code: Source Code: Err Type: Cause: Source: Ust Number: Not reported Not reported Not reported Not reported 3 3 A P

Last Modified:
Incident Phase:
NOV Issued:
NORR Issued:
45 Day Report:
Public Meeting Held:
Corrective Action Planned:
SOC Signed:
Reclassification Report:
RS Designation:
Closure Request Date:
Close-out Report: Not reported Not reported

SECTION 3: DATABASES AND UPDATE DATES

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Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

NC LUST: Regional UST Database
Source: Department of Environment and Natural Resources

Telephone: 919-733-1308

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 02/05/2016 Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/12/2016 Date of Next Scheduled Update: 08/22/2016

Divider Page

QUICKIE WAY MART 1322 EAST 11TH STREET SILER CITY, NC 27344

Inquiry Number: May 23, 2016

EDR Site Report™

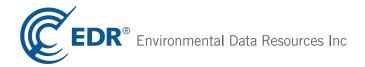


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	All available detailed information from databases where sites are identified.
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	Name, source, update dates, contact phone number and description of each of the databases for this report.

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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 QUICKIE WAY MART 1322 EAST 11TH STREET SILER CITY, NC 27344			
AREA	EDR ID #S117329820			
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO			
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO			
Facility has received Notices of Violations (RCRA/VIOL)	NO			
Facility has been subject to RCRA administrative actions (RAATS)	NO			
Facility has been subject to corrective actions (CORRACTS)	NO			
Facility handles PCBs (PADS)	NO			
Facility uses radioactive materials (MLTS)	NO			
Facility is a FUSRAP Site	NO			
Facility is a UXO Site	NO			
Facility is a FUELS Site	NO			
Facility is an DockHWC/ECHO Site	NO			
Facility manages registered aboveground storage tanks (AST)	NO			
Facility manages registered underground storage tanks (UST)	NO			
Facility has reported leaking underground storage tank incidents (LUST)	YES - p4			
Facility has reported emergency releases to the soil (ERNS)	NO			
Facility has reported hazardous material incidents to DOT (HMIRS)	NO			
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO			
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (SEMS)	NO			
Facility has a reported Superfund Lien on it (LIENS)	NO			
Facility is listed as a state hazardous waste site (SHWS)	NO			
Facility has disposed of solid waste on-site (SWF/LF)	NO			
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO			
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO			
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO			
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO			
Facility is listed in EPA's index system (FINDS)	NO			
Facility is listed in other database records (OTHER)	YES - p6			
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO			
TOTAL (YES)	2			

WASTE MANAGEMENT

Facility has reported leaking underground storage tank incidents

DATABASE: Leaking Petroleum Storage Tank Database (LUST)

QUICKIE WAY MART 1322 EAST 11TH STREET SILER CITY, NC 27344 EDR ID #S117329820

LUST:

Facility ID: UST Number: 00-0-000 RA-7501 Incident Number: 39615

Contamination Type: GW

Source Type: Unknown Product Type: Date Reported: Date Occur: 08/04/2014 08/04/2014 Cleanup: Not reported Closure Request: Not reported Close Out: Not reported

Level Of Soil Cleanup Achieved: Not reported

Tank Regulated Status: # Of Supply Wells:

Commercial/NonCommercial UST Site: COMMERCIAL

Risk Classification:

Risk Class Based On Review: Corrective Action Plan Type: Not reported

NOV Issue Date: Not reported NORR Issue Date: Not reported Site Priority: Not reported Phase Of LSA Reg: Not reported Site Risk Reason: Land Use: Not reported Residential Nο

MTBE: MTBE1: Unknown Flag: Nο Flag1: LUR Filed: No

Not reported

Release Detection:

File Located in House

Not reported

Current Status: RBCA GW: PETOPT: False RPL: CD Num: Reel Num: RPOW: RPOP: False False Error Flag: Error Code: Ν Valid: False

35.7322 -79.4472 Lat/Long Decimal: Testlat: Not reported

Regional Officer Project Mgr: Region: RAL

Company: Contact Person: Quick Way Mart, Inc. Shailesh Desai Telephone: 3365094054 RP Address: 4 raintree court RP City, St, Zip: greensboro, NC 27407

RP County: Not reported Comments:

Mr. Siler reported a petro vapor smell on his property at 1314 E. 11th street, siler city, nc. He noticed fumes in the building a week ago, and reported it to city inspectors and his natural gas company, thinking it was a natural gas leak. The fire chief and gas company both determined that the fumes were not natural gas but, based on their readings, were more likely a heavier petroleum (diesel or their readings, were more likely a neavier petroleum (diesel or kerosene). On his property the most intense readings were emitting from a former bathroom in the back of the building, which still has water and sewer conduits (presumably capped in place). Mr. Siler can be reached at 919-742-5438. Notes from Rose Pruitt (UST inspector):.. The Quick Way site had a few violations at my inspection. I will issue an NOV and request a site check as well. I have been checking around for relevant info and find that a site check was done in June of 2010 because of an NOV issued Sept 24 2009 that included violations for having product in diesel sumps located at the tank and also disp 7/8 (I also noted a leak at this dispenser Tuesday, the sump had recently been cleaned out), as well as failed ATG tests at the REG tanks. I noted that most ATG tests were missing at my

...Continued...

inspection but that the ones that were presented also indicated several Fails at the 2 Reg tanks. The operator blames this on not having enough down time for the test to run properly. The Prem & Reg piping at this site was replaced in 2010 as a result of the 2009 piping at this site was replaced in 2010 as a result of the 2009 inspection that noted damaged piping at the tank top sumps for those 2 tanks. During my inspection I noted the Prem tank top sump was full of water. A contractor on site mentioned that he had pumped this sump out but that it kept filling with water due to a high water table at this location. This sump should be water tight as it is supposed to be monitored according to 0.900 rules. A sensor alarm was noted on the Incon ATG at my inspection. The facility was missing sensor status and alarm history reports for the newer piping as well as related UST22 forms. UST23 forms were still within the 3 year time frame. I also discussed this site with the previous inspector, Pam Harrelson. She was able to provide information about another site Harrelson. She was able to provide information about another site located on the opposite side of the gym that may be a potential source. FID #0-0-32430- Townsends, Inc, 1101 E. Third St., Siler City, NC. This chicken plant site is in bankruptcy and has 2 steel tanks installed in 1961 that Pam was unable to access. Her last inspection notes that they have been in temp closure since 2011 and that there is no electricity to the impressed current system. Site Check NORR sent to RP. 9-5-14, sit check time extention requested, work to begin Monday 9/8/14.-CCW Not reported

2014-08-04 00:00:00 2014-08-04 00:00:00 Vapor Intrusion

Not reported

6

3

5 Min Quad:

39615

Facility Id:
Date Occurred:
Date Reported: Description Of Incident: Owner/Operator: Ownership: Operation Type: Type: Location: Site Priority: Priority Update: Wells Affected Y/N:

Not reported Not reported Samples Include: Not reported 7#5 Minute Quad: 5 Minute Quad: Pirf/Min Soil: Not reported Not reported Release Code: Not reported Source Code: Not reported Err Type: Cause: Source: G Ust Number:

Not reported Not reported Not reported Last Modified: Incident Phase: NOV Issued: Not reported Not reported NORR Issued: 45 Day Report:
Public Meeting Held:
Corrective Action Planned: Not reported Not reported SOC Signed: Not reported Reclassification Report: Not reported RS Designation: Closure Request Date: Not reported Not reported Close-out Report: Not reported

...Continued...

MULTIMEDIA

Facility is listed in other database records

DATABASE: Other Database Records (OTHER)

QUICKIE WAY MART 1322 EAST 11TH STREET SILER CITY, NC 27344 EDR ID #S117329820

LUST TRUST:
Facility ID:
Site ID:
Site Note:
Site Eligible?:
Commercial Find:
Priority Rank:
Deductable Amour

00-0-0000007843 39615 Claims are tracked under incident #16359

False 100% Non-Commercial

Not reported

Deductable Amount: 3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0
Deductible Reason Code: 0

Not reported Reason Desc:

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DATABASES FOUND IN THIS REPORT

NC LUST TRUST: State Trust Fund Database

Source: Department of Environment and Natural Resources

Telephone: 919-733-1315

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 04/11/2016 Date of Last EDR Contact: 04/13/2016 Database Release Frequency: Semi-Annually Date of Next Scheduled Update: 07/25/2016

NC LUST: Regional UST Database

Source: Department of Environment and Natural Resources Telephone: 919-733-1308

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Last EDR Contact: 05/12/2016 Date of Next Scheduled Update: 08/22/2016 Date of Government Version: 02/05/2016 Database Release Frequency: Quarterly

Divider Page

THE PANTRY 4658 DBA PARK N SHOP 1516 EAST 11TH STREET SILER CITY, NC 27344

Inquiry Number: May 23, 2016

EDR Site Report™

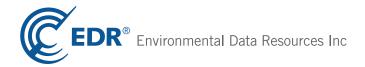


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SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 THE PANTRY 4658 DBA PARK N SHOP 14 1516 EAST 11TH STREET SILER CITY, NC 27344 EDR ID #U003145606			
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO			
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO			
Facility has received Notices of Violations (RCRA/VIOL)	NO			
Facility has been subject to RCRA administrative actions (RAATS)	NO			
Facility has been subject to corrective actions (CORRACTS)	NO			
Facility handles PCBs (PADS)	NO			
Facility uses radioactive materials (MLTS)	NO			
Facility is a FUSRAP Site	NO			
Facility is a UXO Site	NO			
Facility is a FUELS Site	NO			
Facility is an DockHWC/ECHO Site	NO			
Facility manages registered aboveground storage tanks (AST)	NO			
Facility manages registered underground storage tanks (UST)	YES - p4			
Facility has reported leaking underground storage tank incidents (LUST)	YES - p6			
Facility has reported emergency releases to the soil (ERNS)	NO			
Facility has reported hazardous material incidents to DOT (HMIRS)	NO			
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO			
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (SEMS)	NO			
Facility has a reported Superfund Lien on it (LIENS)	NO			
Facility is listed as a state hazardous waste site (SHWS)	NO			
Facility has disposed of solid waste on-site (SWF/LF)	NO			
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO			
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO			
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO			
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO			
Facility is listed in EPA's index system (FINDS)	NO			
Facility is listed in other database records (OTHER)	YES - p8			
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO			

WASTE MANAGEMENT

Facility manages registered underground storage tanks

DATABASE: Petroleum Storage Tank Database (UST)

THE PANTRY 4658 DBA PARK N SHOP 14 1516 EAST 11TH STREET SILER CITY, NC 27344 EDR ID #U003145606

UST:

Facility Id: Contact:

00-0-0000021417 THE PANTRY, INC. PO BOX 1410/1801 DOUGLAS DRIVE Contact Address1:

Contact Address2:

Not reported SANFORD, NC 27330-1410 Contact City/State/Zip:

FIPS County Desc: Chatham Latitude: 35.73284 Longitude: -79.4423

Tank Id:

Tank Status: Current 08/21/1979 Installed Date: Perm Close Date: Not reported

Product Key: Product Name: Gasoline, Gas Mix

Tank Capacity: 10000 Root Tank Id: Not reported

Main Tank: No Compartment Tank: No Manifold Tank: Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel Piping Construction: Single Wall FRP Piping System Key: Other CP Tank: Unknown Not reported Overfill Protection Key: Overfill Protection Name: **Ball Float Valve** Spill Protection Key: Spill Protection Name: Catchment Basin

Leak Detection Key: Not reported Not reported Single Wall Steel Single Wall FRP Leak Detection Name: Decode for TCONS_KEY: Decode for PCONS_KEY: Decode for PSYS_KEY: Unknown

Tank Id: Tank Status: Current 08/21/1979 Installed Date: Perm Close Date: Not reported

Product Key: Product Name: Gasoline, Gas Mix Tank Capacity: 10000

Root Tank Id: Not reported Main Tank: No Compartment Tank: No Manifold Tank: Commercial: Yes Regulated: Yes

Tank Construction: Single Wall Steel Piping Construction: Piping System Key: Other CP Tank: Single Wall FRP Unknown Not reported Overfill Protection Key: Overfill Protection Name: Ball Float Valve Spill Protection Key: Spill Protection Name: Catchment Basin

Leak Detection Kev: Not reported Leak Detection Name: Not reported Decode for TCONS_KEY: Decode for PCONS_KEY: Decode for PSYS_KEY: Single Wall Steel Single Wall FRP Unknown

Not reported

Tank Id: Tank Status: Current 08/18/1982 Installed Date:

Perm Close Date:

...Continued...

. Diesel

Diesel 4000 Not reported No No 0 Yes Yes

Product Key:
Product Name:
Tank Capacity:
Root Tank Id:
Main Tank:
Compartment Tank:
Manifold Tank:
Commercial:
Regulated:
Tank Construction:
Piping Construction:
Piping System Key:
Other CP Tank:
Overfill Protection Key:
Overfill Protection Name:
Spill Protection Key:
Leak Detection Name:
Leak Detection Name:
Leak Detection Name:
Decode for TCONS_KEY:
Decode for PSYS_KEY: Yes Single Wall Steel Single Wall FRP Unknown Not reported

Ball Float Valve 4 Catchment Basin

Not reported Not reported Single Wall Steel Single Wall FRP Unknown

...Continued...

WASTE MANAGEMENT

Facility has reported leaking underground storage tank incidents

DATABASE: Leaking Petroleum Storage Tank Database (LUST)

THE PANTRY 4658 DBA PARK N SHOP 14 1516 EAST 11TH STREET SILER CITY, NC 27344 EDR ID #U003145606 Database Address: PANTRY #267 1516 EAST 11TH STREET SILER CITY, NC 27344 LUST: Facility ID: 0-021417 UST Number: RA-7476 Incident Number: 39592 GW Contamination Type: Source Type: Product Type: Leak-underground 07/03/2014 Date Reported: Date Occur: 06/03/2014 Cleanup: 06/03/2014 Closure Request: Not reported Close Out: Level Of Soil Cleanup Achieved: Soil to Groundwater Tank Regulated Status: # Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL Risk Classification: Risk Class Based On Review: Corrective Action Plan Type:
NOV Issue Date: Not reported Not reported Not reported Not reported NORR Issue Date: Site Priority: Phase Of LSA Req: Not reported Not reported Residential Site Risk Reason: Land Use: MTBE: No MTBE1: Yes Flag: Flag1: LUR Filed: No Nο 10/09/2015 Release Detection: Current Status: File Located in House RBCA GW: PETOPT: RPL: Cleanups to alternate standards False CD Num: Reel Num: RPOW: False False Error Flag: Error Code: Ν Valid: False Lat/Long Decimal: 35.7329 -79.4424 Testlat: Not reported Regional Officer Project Mgr: Region: RAL Company: Contact Person: The Pantry Inc. Brent Puzák Telephone: 9197746700 305 Gregson Drive Cary, NC 27511 RP Address: RP City,St,Zip: RP County: Not reported Comments: Not reported 5 Min Quad: Not reported PIRF: Facility Id: Date Occurred: 39592 2014-05-23 00:00:00 Date Reported: 2014-07-08 00:00:00 Description Of Incident: Not reported Owner/Operator: Not reported Ownership: Operation Type: 6 3 Type: Location:

...Continued...

Site Priority:
Priority Update:
Wells Affected Y/N:
Samples Include:
7#5 Minute Quad:
5 Minute Quad:
Pirf/Min Soil:
Release Code:
Release Code:
Frr Type:
Cause:
Source:
Ust Number:
Not reported

Last Modified: Incident Phase: NOV Issued: NORR Issued: 2016-01-21 00:00:00 Closed Out Not reported Not reported 45 Day Report:
Public Meeting Held:
Corrective Action Planned:
SOC Signed: Not reported Not reported Not reported Not reported Reclassification Report: Not reported RS Designation: Closure Request Date: Not reported Not reported Close-out Report: Not reported

...Continued...

MULTIMEDIA

Facility is listed in other database records

DATABASE: Other Database Records (OTHER)

THE PANTRY 4658 DBA PARK N SHOP 14 1516 EAST 11TH STREET SILER CITY, NC 27344 EDR ID #U003145606

NC Financial Assurance 1: Facility ID:

00-0-0000021417 Region: Financial Responsibility Desc: Letter of Credit Financial Responsibility Name: Wells Fargo Bank, N.A>

Started Date: 03/10/2013 03/10/2014 Ended Date:

LUST TRUST:

Facility ID: 0-021417 Site ID:

SCAN-----Commercial; \$20,000 deductible; 100% eligible for costs that exceed the \$20,000 deductible.[CGS 9/8/15] Site Note:

Site Eligible?:

Commercial Find: Priority Rank: 100% Commercial Not reported co-payment REIM Type: Cleanup Phase: Not reported

50% Reimbursement Amt Commercial Fund:
50% Reimbursement Check # Commercial Fund: Not reported Not reported Final Reimbursement Amt Commercial Fund: Final Reimbursement Check # Commercial Fund: 37695.17 2505295 50% Reimbursement Amt Non-Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Not reported Final Reimbursement Amt Non-Commercial Fund: Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported

2014-05-20 00:00:00

2014-12-09 00:00:00

Date of Work (starting): Date of Work (ending): Owner ID Number: 5284 Consultant ID Number: 2637 Archived: False CD Number: Not reported

Claim Id: 200

Claim Notes: Not reported OWNER Owner/Consultant: Company Name: The Pantry Inc Name: Brent Puzak PO Box 601819

Charlotte, NC 282601819

Mailing Address: Mailing City,St,Zip: Fed ID or SS Num: Phone Number: 919-774-6700 Deductable Amount: 20000

3rd Party Deductable Amt: Sum 3rd Party Amt Applied: Deductible Reason Code: 0

Reason Desc: Not reported 395922000 Unique number: Pantry #267 20000 Site name: Deductable Amount:

Claim Closed 10/27/2015 12:28:48 AM 57695.17 Location: Tract date:

Requested amount: Amount approved: 57695.17

Final Reimbursement Check # Commercial Fund: Final Reimbursement Amt Commercial Fund: Final Reimbursement Amt Non-Commercial Fund: 2505295 37695.17 Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported 50% Reimbursement Amt Commercial Fund: Not reported 50% Reimbursement Amt Non-Commercial Fund: Not reported 50% Reimbursement Check # Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Unique number: 395922000 Not reported

Pantry #267 20000 Site name: Deductable Amount:

Location: Final Reimbursement Tract date: 10/27/2015 12:14:24 AM

Requested amount: 115390.34 115390.34 Amount approved:

Final Reimbursement Check # Commercial Fund: 2505295

...Continued...

Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Not reported Final Reimbursement Check # Non-Commercial Fund: 50% Reimbursement Amt Commercial Fund: Not reported Not reported 50% Reimbursement Amt Non-Commercial Fund: 50% Reimbursement Amt Non-Commercial Fund:
50% Reimbursement Check # Commercial Fund:
50% Reimbursement Check # Non-Commercial Fund:
Unique number: 395922000 Not reported Not reported Not reported Site name: Deductable Amount: Pantry #267 20000 Final Reimbursement Location: Tract date: 10/19/2015 7:12:33 AM Requested amount: 57695.17 Amount approved: 57695.17 Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported 50% Reimbursement Amt Commercial Fund: Not reported 50% Reimbursement Amt Non-Commercial Fund: Not reported 50% Reimbursement Check # Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Unique number: 395922000 Not reported Site name: Pantry #267 Deductable Amount: 2000Ó Location: Final Audit 10/19/2015 7:12:30 AM Tract date: Requested amount: 57695.17 57695.17 Amount approved: Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Not reported Not reported Not reported Not reported Final Reimbursement Check # Non-Commercial Fund: 50% Reimbursement Amt Commercial Fund: 50% Reimbursement Amt Non-Commercial Fund: 50% Reimbursement Check # Commercial Fund: 50% Reimbursement Check # Non-Commercial Fund: Not reported Not reported 395922000 Unique number: Pantry #267 20000 Site name: Deductable Amount: Location: Final Audit 10/19/2015 7:12:28 AM Tract date: Requested amount: 57695.17 57695.17 Amount approved: Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: Final Reimbursement Amt Non-Commercial Fund: 37695.17 Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported 50% Reimbursement Amt Commercial Fund: Not reported 50% Reimbursement Amt Non-Commercial Fund: Not reported 50% Reimbursement Check # Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Not reported 395922000 Unique number: Pantry #267 20000 Site name: Deductable Amount: Location: Final Audit Tract date: 10/12/2015 6:47:07 AM Requested amount: 57695.17 Amount approved: 57695.17 Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported 50% Reimbursement Amt Commercial Fund: Not reported 50% Reimbursement Amt Non-Commercial Fund: Not reported 50% Reimbursement Check # Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Not reported Unique number: 395922000 Pantry #267 20000 Site name: Deductable Amount: Location: Final Audit 9/30/2015 9:30:33 AM Tract date: Requested amount: 57695.17 Amount approved: 57695 17 Final Reimbursement Check # Commercial Fund: Final Reimbursement Amt Commercial Fund: 2505295 37695.17 Final Reimbursement Amt Non-Commercial Fund: Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported 50% Reimbursement Amt Commercial Fund: Not reported 50% Reimbursement Amt Non-Commercial Fund: Not reported 50% Reimbursement Check # Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Not reported 395922000 Unique number:

Pantry #267

20000

Site name:

Deductable Amount:

...Continued...

Location: Initial Review 9/30/2015 9:30:30 AM Tract date: Requested amount: 57695.17 Amount approved: 57695.17 Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Final Reimbursement Check # Non-Commercial Fund: Not reported Not reported 50% Reimbursement Amt Commercial Fund: 50% Reimbursement Amt Non-Commercial Fund: Not reported Not reported 50% Reimbursement Check # Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Unique number: 395922000 Not reported Pantry #267 Site name Deductable Amount: 20000 Initial Review Location: 9/8/2015 3:29:27 PM Tract date: Requested amount: 57695.17 Amount approved: 57695.17 Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Final Reimbursement Check # Non-Commercial Fund: Not reported Not reported 50% Reimbursement Amt Commercial Fund: Not reported 50% Reimbursement Amt Non-Commercial Fund: Not reported 50% Reimbursement Check # Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Not reported 395922000 Unique number: Pantry #267 Site name: **Deductable Amount:** 2000Ó Eligibility Review 9/8/2015 3:29:24 PM Location: Tract date: Requested amount: 57695.17 Amount approved: 57695.17 Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported 50% Reimbursement Amt Commercial Fund: Not reported 50% Reimbursement Amt Non-Commercial Fund: 50% Reimbursement Check # Commercial Fund: Not reported Not reported 50% Reimbursement Check # Non-Commercial Fund: Inique number: 395922000 Not reported Pantry #267 Site name: Deductable Amount: 20000 Eligibility Review 9/8/2015 9:17:49 AM Location: Tract date: Requested amount: 57695.17 Amount approved: 57695.17 Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported 50% Reimbursement Amt Commercial Fund: Not reported 50% Reimbursement Amt Non-Commercial Fund: Not reported 50% Reimbursement Check # Commercial Fund: Not reported 50% Reimbursement Check # Non-Commercial Fund: Not reported Unique number: 395922000 Site name: Pantry #267 **Deductable Amount:** 2000Ó Original Claim Form Receipt Location: 9/4/2015 Tract date: Requested amount: 57695.17 Amount approved: 57695.17 Final Reimbursement Check # Commercial Fund: 2505295 Final Reimbursement Amt Commercial Fund: 37695.17 Final Reimbursement Amt Non-Commercial Fund: Not reported Final Reimbursement Check # Non-Commercial Fund: Not reported 50% Reimbursement Amt Commercial Fund: 50% Reimbursement Amt Non-Commercial Fund: Not reported Not reported 50% Reimbursement Check # Commercial Fund: 50% Reimbursement Check # Non-Commercial Fund: Not reported Not reported Task Id: Task Descrption: task number used to store requested and approved adjustments Requested Amnt: 0
Amnt Approved: 0
Task Notes: Not reported Task Id: Task Descrption: Null Task Requested Amnt: 0 Amnt Approved: Task Notes: Not reported

Task Id:

Requested Amnt: 117

Task Descrption: Health and Safety plan

Report# Prepared for / May 23, 2016 Page# 10 of 13

...Continued...

```
Amnt Approved:
                     117
Task Notes:
                     Not reported
Task Id:
                     2.381
Task Descrption: Superv
Requested Amnt: 3169.8
                     Supervision of UST closure or removal
Amnt Approved:
Task Notes:
                     3169.8
                     Not reported
Task Id:
                     2.4000001
Task Descrption:
                     Cost for Excavating and Stockpiling Soil during a UST Closure
Requested Amnt: 9602.41
Amnt Approved:
                     9602.41
Task Notes:
                     Not reported
Task Id:
                     2.4100001
Task Descrption: Cost for Backfilling a Tank Pit for a UST Closure
Requested Amnt: 8086.24
Amnt Approved:
                     8086.24
Task Notes:
                     Not reported
Task Id:
                     2.415
Task Descrption: Cost for treatment or disposal of contaminated soil
Requested Amnt: 24258.72
Amnt Approved:
                     24258.72
Task Notes:
                     Not reported
Task Id:
                     2.5999999
Task Descrption:
                     Phase I LSA
Requested Amnt: 6732
Amnt Approved:
Task Notes:
                     Not reported
Task Id:
                     4.0900002
Task Descrption:
                     Cost for Analytical and Shipping (all sampling)
Requested Amnt: 4594
                     4594
Amnt Approved:
Task Notes:
                     Not reported
                     6.0149999
Task Id:
Task Descrption:
                     Initial Abatement Action (IAA) Report
Requested Amnt: 975
Amnt Approved:
Task Notes:
                     975
                     Not reported
Task Id:
Task Id.

Task Descrption: Claim Packets Preparation Cost
Requested Amnt: 160
Amnt Approved: 160
Task Notes: Not repor
Task Detail Revision Level:
                     Not reported
                                 Lump Sum Cost
Data Type:
Data Type Quantity:
Task Detail Revision Level:
Data Type:
                                 Quantity of Days
Data Type Quantity:
Task Detail Revision Level:
                                 3169.8
Data Type:
                                 Rate
Data Type Quantity:
Task Detail Revision Level:
Data Type:
                                 Quantity of Tons
Data Type Quantity:
Task Detail Revision Level:
                                 505.39001
Data Type:
                                 Rate
Data Type Quantity:
Task Detail Revision Level:
                                 19
                                 Quantity of Tons
Data Type:
Data Type Quantity:
Task Detail Revision Level:
                                 505.39001
Data Type:
Data Type Quantity:
Task Detail Revision Level:
                                 Rate
                                 16
Data Type:
Data Type Quantity:
Task Detail Revision Level:
Data Type:
                                 Lump Sum Cost
                                 24258.721
                                 Quantity of Quarters
Data Type Quantity:
Task Detail Revision Level:
                                 Lump Sum Cost
Data Type:
Data Type Quantity:
Task Detail Revision Level:
                                 6732
                                 Lump Sum Cost
Data Type:
Data Type Quantity:
Task Detail Revision Level:
Data Type:
                                 4594
                                 Markup
Data Type Quantity:
Task Detail Revision Level:
                                 Lump Sum Cost
Data Type:
Data Type Quantity:
Task Detail Revision Level:
Data Type:
                                 Quantity of Tasks
Data Type Quantity:
```

Task Detail Revision Level:

...Continued...

Data Type: Data Type Quantity: Track date: Rate 20

2015-09-04 00:00:00

Original Claim Form Receipt Location:

Status Code: Track User: Track Code: Track date: Not Reported Admin

2015-09-08 09:17:49 Eligibility Review Submitted to Location: Status Code: Track User: jacomer Track Code:

2015-09-08 15:29:24 Eligibility Review Track date: Location: Status Code: Completed in Track User: cgschroeter Track Code:

Track date: 2015-09-08 15:29:27 Location: Initial Review Status Code: Submitted to Track User: cgschroeter Track Code:

2015-09-30 09:30:30 Initial Review Track date: Location: Status Code: Completed in Track User: jacomer

Track Code: Track date: 2015-09-30 09:30:33 Location: Final Audit Status Code: Track User: Submitted to jacomer

Track Code:

Track date: 2015-10-12 06:47:07

Location: Final Audit Status Code: Track User: Track Code: swballard

2015-10-19 07:12:28 Track date:

Location: Status Code: Track User: Track Code: Final Audit Started in swballard

2015-10-19 07:12:30 Final Audit Completed in Track date: Location: Status Code:

Track User: swballard Track Code:

2015-10-19 07:12:33 Track date: Final Reimbursement Location:

Status Code: Started in Track User: swballard

Track Code: 2015-10-27 00:14:24 Track date: Location: Final Reimbursement

Status Code: Completed in

Track User: Batch Track Code:

Track date: 2015-10-27 00:28:48 Location: Claim Closed Status Code: Not Reported Track User: Batch

Track Code:

Track date: 2015-10-27 00:14:24 Location: Final Reimbursement Status Code: Completed in

Track User: Batch Track Code:

SECTION 3: DATABASES AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

DATABASES FOUND IN THIS REPORT

NC LUST TRUST: State Trust Fund Database

Source: Department of Environment and Natural Resources

Telephone: 919-733-1315

This database contains information about claims against the State Trust Funds for reimbursements

for expenses incurred while remediating Leaking USTs.

Date of Last EDR Contact: 04/13/2016 Date of Government Version: 04/11/2016 Database Release Frequency: Semi-Annually Date of Next Scheduled Update: 07/25/2016

NC LUST: Regional UST Database

Source: Department of Environment and Natural Resources Telephone: 919-733-1308

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident

Numbers are considered LUSTs.

Date of Last EDR Contact: 05/12/2016 Date of Next Scheduled Update: 08/22/2016 Date of Government Version: 02/05/2016 Database Release Frequency: Quarterly

NC UST: Petroleum Underground Storage Tank Database

Source: Department of Environment and Natural Resources

Telephone: 919-733-1308

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Last EDR Contact: 05/12/2016 Date of Government Version: 02/05/2016 Database Release Frequency: Quarterly Date of Next Scheduled Update: 08/22/2016

NC FINANCIAL ASSURANCE 1: Financial Assurance Information Listing

Source: Department of Environment & Natural Resources

Telephone: 919-733-1322

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/10/2016 Database Release Frequency: Quarterly

Date of Last EDR Contact: 05/12/2016 Date of Next Scheduled Update: 08/22/2016

Divider Page

20 DAY REPORT

Townsends, Inc.

Facility ID: 0-0-0000032430

1101 E. Third St. Siler City, Chatham County

Property Owner:

Southeast Land Holdings c/o David Welch PO Box 99 Pfafftown, NC 27040

September, 2015

Prepared By:

W.H. Gibson, L.G.

For:

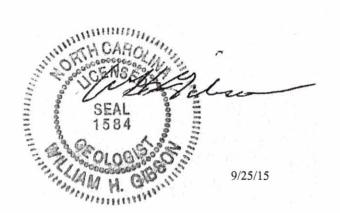
Cohesion, Inc.

5216 Yates Mill Pond Road Raleigh, North Carolina 27606 Phone: 919-233-8626

Fax: 919-233-8909

Cohesion Project No. TF-2015066

W.H. Gibson, L.G. Geologists License No. 01584



Summary

Cohesion, Inc. was contracted to remove a 10,000 gallon gasoline UST and a 10,000 gallon diesel fuel UST. On August 12, 2015, Cohesion personnel excavated the overburden and sufficient surrounding soil to remove the diesel fuel UST. On August 13, 2015, Cohesion personnel excavated the overburden and sufficient surrounding soil to remove the gasoline UST. Petroleum odor was observed in soil around the gasoline UST. Laboratory analysis (TPH-DRO) of soil samples collected beneath the diesel fuel UST did not detect petroleum hydrocarbons at a concentration exceeding the NCDENR action level of 10 mg/kg. Laboratory analysis (TPH-GRO) of soil samples collected beneath the gasoline UST detect petroleum hydrocarbons at a concentration exceeding the NCDENR action level of 10 mg/kg indicating there had been a release from the gasoline UST.

Due to the evidence of petroleum impact to the excavated soil, use of the soil to backfill the excavation was prohibited. Impacted soil was stockpiled onsite. Approximately 411.93 tons of impacted soil were loaded on August 14 and August 17, 2015 for transport to Earthtee of NC, Inc. in Sanford.

Regulations require cleanup (abatement) of sites where a release from a UST is confirmed.

20 DAY REPORT TOWNSENDS, INC. ILITY ID: 0-0-00000324

FACILITY ID: 0-0-0000032430

1101 E. THIRD ST.

SILER CITY, NORTH CAROLINA (CHATHAM COUNTY)

A. SITE INFORMATION

1. Site Identification

Report Date:

September 2015

Facility I.D. No .:

0-0-0000032430

Incident No.: not assigned

Site Name:

Townsends Inc. Property

Location:

1101 E. Third St.

Siler City, Chatham County

Latitude: N35.73208°

Longitude: W79.45079°

2. Property and Underground Storage Tank (UST) Owner Information:

UST Owner:

Southeast Land Holdings, LLC

UST Operator:

to be determined

Property Owner:

Southeast Land Holdings, LLC

c/o David Welch

PO Box 99

Pfafftown, NC 27040

Property Occupant:

vacant

Contractor:

Cohesion, Inc.

5216 Yates Mill Pond Road, Raleigh, North Carolina 27606

919-233-8626

Analytical Laboratory:

ESC, 12065 Lebanon Rd., Mt. Juliet, TN 37122

615-758-5858

3. Release Information:

Date Discovered:

8/12/15

Est. Quantity of Release:

unknown

Cause of Release:

unknown

Source of Release:

UST system

Size / Content of UST System:

10,000 gallon capacity, diesel fuel

10,000 gallon capacity, gasoline

4. Certification:

I, William H. Gibson, a Licensed Geologist, do certify that the information contained in this report is correct and accurate to the best of my knowledge.

Professional Seal and Signature:

B. SITE HISTORY AND CHARACTERIZATION

Chatham County records indicate the processing facility was constructed in 1994. The property is located in a mixed use area of Siler City. The topographic drainage is toward the southeast as indicated on the USGS topographic map.

C. INITIAL RESPONSE AND ABATEMENT ACTIVITIES

1. Quantity of Regulated Substance Removed from UST:

Shamrock Environmental removed approximately 54 gallons of residual fluid from the diesel fuel UST on August 12, 2015. The gasoline UST was empty. Both tanks were cleaned prior to removal from the site. Red Star Oil disposed of the fluid resulting from cleaning. The fluid disposal manifests are attached as Appendix A.

2. Source Control Actions:

On August 12 and August 13, 2015, the USTs were removed. The tanks were transported to Bish Scrap Metal in Siler City.

3. Contaminant Migration Control Measures:

Further abatement actions will be documented in an Initial Abatement Report.

4. Measures taken to Mitigate Fire/Safety Hazards:

The USTs were removed in accordance with API standards.

5. Contaminated Soil Storage, Treatment and/or Disposal:

Further abatement actions will be documented in an Initial Abatement Report.

6. Status of Free Product Investigation and Associated Removal:

No free product was encountered in the soil.

D. SOURCE INVESTIGATION

Cohesion, Inc. was contracted to remove a 10,000 gallon gasoline UST and a 10,000 gallon diesel fuel UST. On August 12, 2015, Cohesion personnel excavated the overburden and sufficient surrounding soil to remove the diesel fuel UST. Laboratory analysis (TPH-DRO) of soil samples collected beneath the diesel fuel UST did not detect petroleum hydrocarbons at a concentration exceeding the NCDENR action level of 10 mg/kg.

On August 12, 2015, Cohesion personnel excavated the overburden and sufficient surrounding soil to remove the gasoline UST. Dry ice and a vacuum were applied to the tank to lower oxygen levels, remove explosive vapors and allow for safe tank removal. Petroleum odor was observed in soil around the gasoline UST. Accumulation of water and instability of excavation sidewalls necessitated removal of additional soil. It was necessary to halt tank removal in order to remove electrical utilities preventing additional soil removal and tank removal.

On August 13, 2015, following removal of the utilities, dry ice and vacuum were again applied to the gasoline tank. The Siler City Fire Inspector approved tank removal after explosive vapor and oxygen levels were sufficiently low to allow removal to proceed safely. Laboratory analysis (TPH-GRO) of soil samples collected beneath the gasoline UST detected petroleum hydrocarbons at a

concentration exceeding the NCDENR action level of 10 mg/kg indicating there had been a release from the gasoline UST.

Due to the evidence of petroleum impact to the excavated soil, use of the soil to backfill the excavation was prohibited. Impacted soil was stockpiled onsite. Laboratory analyses (TPH-DRO/GRO) of stockpile soil samples confirmed petroleum impact at concentrations exceeding the NCDENR action level. Approximately 411.93 tons of impacted soil were loaded on August 14 and August 17, 2015 for transport to Earthtee of NC, Inc. in Sanford. Disposal manifests are included in Appendix C.

On August 17, 2015, product supply piping and fuel dispensers were removed. Laboratory analyses of soil samples collected beneath system piping and dispensers detected impact to soil at one location along the gasoline supply piping and at the dispensers.

Soil impacted by petroleum at concentrations exceeding the NCDENR action level remains in the subsurface at the former gasoline UST location, beneath a section of the gasoline supply pipe, and beneath the dispenser.

Regulations require cleanup (abatement) of sites where a release from a UST is confirmed.

TABLE

Table 1 Summary of Soil Sample Analyses 1101 E. Third St., Siler City, Chatham County

NCDENR Dieselvs **Analytical Methods** mg/kg ID# S-1 S-2 S-5 S-3 S-4 S-6 S-7 S-8 S-9 Action Limit Constituents <5.58 < 5.45 < 5.44 10* TPH 3550 <4.72 <4.74 < 5.76 DRO 10* TPH 5030 GRO 3630 113 435 8/13/2015 Sample Collection Information: Date 8/13/2015 8/13/2015 8/17/2015 8/17/2015 8/17/2015 8/17/2015 8/13/2015 8/13/2015 Depth (feet) 15 15 16 16 16 3 3 3 3 excavation excavation product line | product line product line | product line Location excavation excavation excavation

GOD UST

tiesel line

Analytical Methods		mg/kg						NCDENR
Constituents	ID#	S-10	S-11	S-12	S-13	SP-1	SP-2	Action Limit
TPH 3550	DRO	100000	SASTATE LESS	THE WATER Y	771	47.8	<4.52	10*
TPH 5030	GRO	<1.75	<1.73	11.6	4.11	739	679	. 10*
Sample Collection	on Information: Date	8/17/2015	8/17/2015	8/17/2015	8/17/2015	8/13/2015	8/17/2015	
LANGE AND AND ADMINISTRA	Depth (feet)	3	3	3	2.5			
	Location	product line	product line	product line	product line	stockpile	stockpile	

^{*} NCDENR's TPH Standard

^{**} Detection limit greater than Soil-to-Groundwater Standard

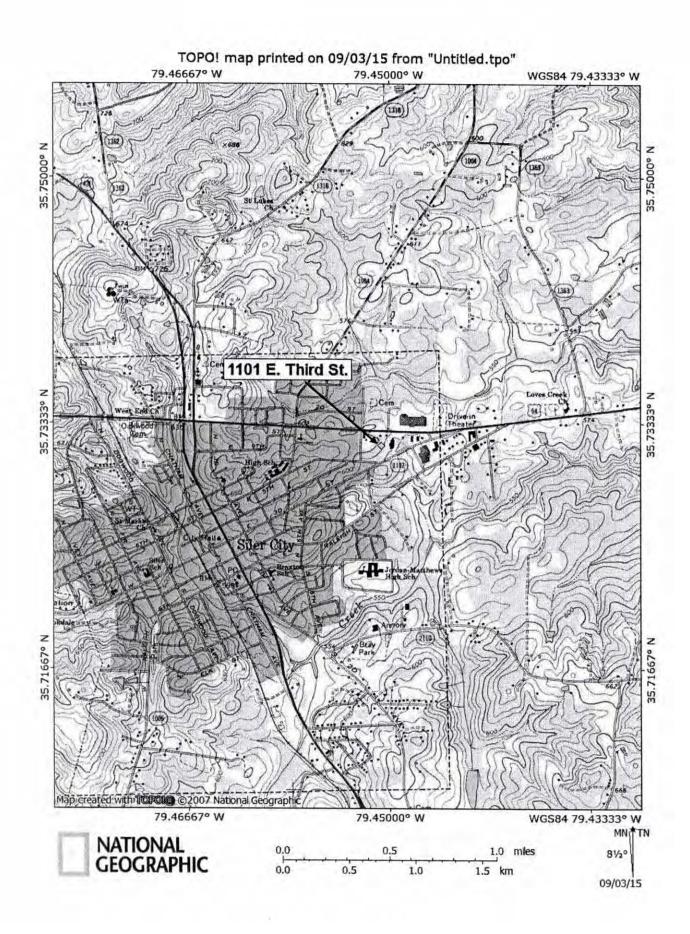
CI - Considered Immobile

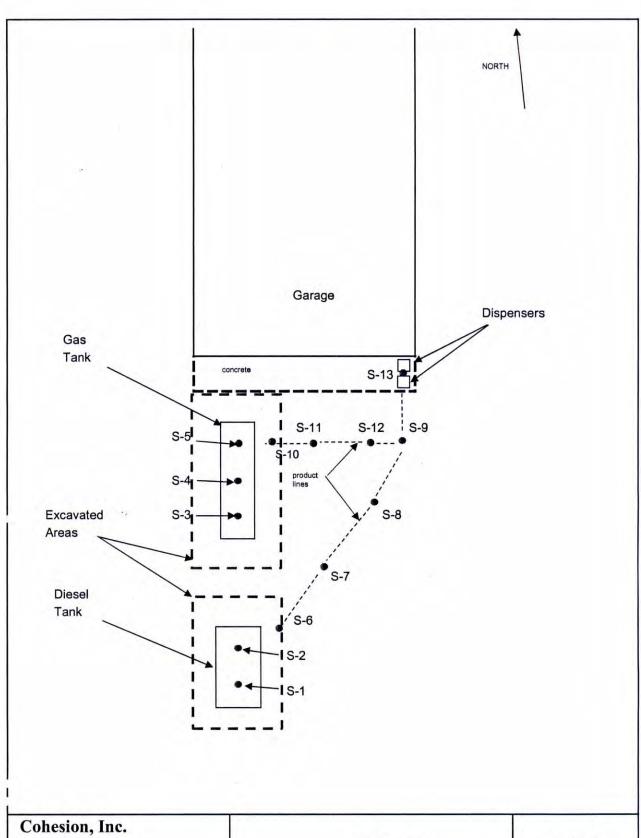
NA - Not Available

NL - Not listed in NCDENR's Standard

ND - Not Detected

FIGURES







5216 Yates Mill Pond Rd., Raleigh, NC 27606 Ph: 919-233-8626 Fx: 919-233-8909 Site Diagram 1101 E. Third St. Siler City, Chatham County

Figure 2



APPENDIX A

Fluid Disposal Receipt

CONTAINS HAZARDOUS MATERIALS

Red Star Oil Company, Inc.

Raleig (919) 7	rser Dri h, N.C. 2 72-1944 79-8871	27603		ebulon (9	chool Ro , N.C. 276 19) 269-9 AX 269-86	597 172
Nam	-	Conesion Siler city Esdst			4 1 1	-
Qty.	Pkg.	Description	- 4	Price	Amo	unt
		pump out	s. II.		400	00
,		dispol of	40001	75	300	00
					<i>Y</i>	
		1		1		
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	la.			ŀ	\$	
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		1	Тах	1	b	
	,,		Total		700	00
	eived B sman	V DD	The		1	

APPENDIX B

Soil Disposal Certificate

Manifests

Southeast Land Holding, LLC Soil Disposal

Load	Date	Truck			
Number			Gross	Tare	Tons
1	8/14/2015	SC-2	71140	29580	20.78
2	8/14/2015	SC-2	70920	29580	20.67
3	8/14/2015	SC-2	68180	29580	19.3
4	8/14/2015	SC-2	75580	29580	23
5	8/14/2015	SC-2	74860	29580	22.64
6	8/14/2015	G-19	85660	31260	27.2
7	8/14/2015	G-19	83980	31260	26.36
8	8/14/2015	G-19	71700	31260	20.22
9	8/14/2015	G-19	74300	31260	21.52
10	8/14/2015	G-19	78900	31260	23.82
11	8/17/2015	SC-2	69300	29580	19.86
12	8/17/2015	SC-2	68820	29580	19.62
13	8/17/2015	SC-2	69900	29580	20.16
14	8/17/2015	SC-2	67040	29580	18.73
15	8/17/2015	SC-2	72440	29580	21.43
16	8/17/2015	G-19	73440	31260	21.09
17	8/17/2015	G-19	77780	31260	23.26
18	8/17/2015	G-19	81860	31260	25.3
19	8/17/2015	G-19	65200	31260	16.97
				Total	411.93

tons

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSELEXPIES UNE 30, 2018
JESSIE GLOOREY 31795

918 ID. HO. 75580 Ib GR 08/14/15 08:23

INVALID UNLESS SIGNED

D NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2018
JOE F. HOLDER 31798

INVALID UNLESS SIGNED

Project Number:	S WASTE MANIFEST Load Number:
2015044	
Consultant	Contact: Alton Boshoff
Geo Support, inc	Phone: 919-233-8626
	Contacts Phones
Southeast land Holding, LLC	David welsh
Transporter:	Contact:
	Phone:
Destination: Earthtec Environmental, Inc	Contact: Scott Keller
3145 Rosser Road, Bear Creek, NC 27207	Phone: 919-774-4517
Waste Description:	Waste Origination
gasoline	1101 E. Third St., Siler City, NC
gasoline Truck #: 5C-2	Gross Weight:
	Tare Weight: 918 10. No.
	Net Weight: 75580 Ib SR RECA
	29590 1b TR
	08/14/15 09:37 2
Generator's Certification: I certify that the mat	terials described above on this manifest are not
subject to federal regulations for reporting prop	per disposal of HAZARDOUS WASTE.
0. 4. 6/1	M: 1. 01 - 1.0
Service of the Contraction of th	Mu Admin 8/13/15
Generator / Agent Signature	Title Date 8/14/15
Acknowledgment of Receipt of Material: _	400 alles 8/14/15
	Drivers Signature Date
Noted Discrepancies:	*****
Inspected & Accepted (except as noted abo	ve By: Earthtec Environmental, Inc.
1 11 11 11	, in –
Accepted By: Tranh	Date: 8-14-15

7000 ID. NO. 85660 Ib GR 08/14/15 D8:26

NON-HAZARDOUS WASTE MANIFEST

	WASIE MAMIFEST
Project Number: 20150 44	Load Number:
Consultant	Contact: Alton Boshoff
Geosupport in	Phone: 919-233-8626
Generator	Contact: Phone:
Generator Southeast Land Holding, LLC	Dowid weish
Transporter:	Contact:
	Phone:
Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207	Contact: Scott Keller Phone: 919-774-4517
Waste Description: gasoline Truck #: G-19	Waste Origination 1101 E. Third St., Siler City, NC
Truck #:	Gross Weight:
× 6-19	7000 ID. NO.
	Tare Weight: 85660 15 GR RECA
	Net Weight: 31260 15 18 54400 15 87
	08/14/15 08:43
Generator's Certification: I certify that the mate subject to federal regulations for reporting prope	File Admin 8/13/15
Generator / Agent Signature	Title 1 Date
Acknowledgment of Receipt of Material:	henry 1/0 8-14-15
V	Brivers Senature Date
Noted Discrepancies:	
Inspected & Accepted (except as noted abov	e By: Earthtee Environmental, Inc.
Accepted By: Fral Holl	Date: 8-14-15

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 20, 2018
31795
INVALID UNLESS SIGNED

7000 10. 40.

83980 16 GR 31260 16 TR RECALLED 52720 16 NT

08/14/15 10:10

NON-HAZARDOUS WASTE MANIFEST

	5 WASIE MANIFES!
Project Number: 20150 44	Load Number:
Consultant	Contact: Alton Boshoff
GeoSupport, inc	Phone: 919-233-86:26
reperator	Contact: Phone:
Southeast land Holding, LLC	David welsh
Transporter:	Contact:
	Phone:
Destination: Earthtec Environmental, Inc	Contact: Scott Keller
3145 Rosser Road, Bear Creek, NC 27207	Phone: 919-774-4517
Waste Description:	Waste Origination
gasoline	1101 E. Third St., Siler City, NC
Truck #: (-10)	Gross Weight: 813 980
- (Tare Weight: 31 260
	Net Weight: 52720
	2/.2
Generator's Certification: I certify that the mate	erials described above on this manifest are not
subject to federal regulations for reporting prope	er disposal of HAZARDOUS WASTE
1: 111	
	Fice Admin 8/13/15
Generator / Agent Signature	Title Date
Acknowledgment of Receipt of Material:	henny 7/ors
N. C. Charles	Drivers Signature Date
Noted Discrepancies:	
Inspected & Accepted (except as noted abov	e By: Earthtec Environmental, Inc.
and the second s	
Accepted By:	Date: 6-13-15
1	

70,00

Earthtec of NC, Inc. Post Office Box 130 Sanford, NC 27331 Phone #: 919-774-451 Fax #: 919-774-6415 31795 918 ID. NO. INVALID UNLESS SIGNED 74860 lb 6R 29580 1b TR RECALLED 45280 1b NT NON-HAZARDOUS WASTE MANIFEST 08/14/15 10:15 Project Number: Load Number: 2015046 Contact: Alton Boshoff Consultant Phone: 919-233-8626 Generator Contact: Phone: Dowid welsh Southlast L Transporter: Contact: Phone: Destination: Earthtec Environmental, Inc Contact: Scott Keller Phone: 919-774-4517 3145 Rosser Road, Bear Creek, NC 27207 Waste Origination Waste Description: 1101 E. Third St., Siler City, NC Truck #: Gross Weight:

1

Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE.

Tare Weight:

Net Weight:

Generator / Agent Signature
Acknowledgment of Receipt of Material:

Divers Signature

Date

Moted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Accepted By: Date: 8-13-15

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PUBLIC PYTOFERAST DA
LICENCE EXPLICE DA STOR
LICENCE EXPLICE DA STOR
SHY GODFREY

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7000 10. NO.

71700 15 GR 31260 15 TR RECALLED 40440 16 MT

09/14/15 11140

NON-HAZARDOUS WASTE MANIFEST

TOT-HAZARDOCK	WASTE MATERIA
Project Number: 20150 44	Load Number:
Consultant	Contact: Alton Boshoff
GeoSupport, inc	Phone: 919-233-8626
Generator	Contact: Phone:
Southeast Land Holding, LLC	David welsh
Transporter:	Contact:
	Phone:
Destination: Earthtec Environmental, Inc	Contact: Scott Keller
3145 Rosser Road, Bear Creek, NC 27207	Phone: 919-774-4517
Waste Description:	Waste Origination
gasoline Truck #:	Waste Origination 1101 E. Third St., Siler Lity, NC
Truck #: 619	Gross Weight: 71700
1	Tare Weight: 3/260
	Net Weight: 40 440
,	2017
Generator's Certification: I certify that the mate	rials described above on this manifest are not
subject to federal regulations for reporting prope	r disposal of HAZARDOUS WASTE.
- 1 ///	
Crayle DII Of	tice Admin 8/13/15
Generator / Agent Signature	Title Date
Acknowledgment of Receipt of Material:	Juny 1/05 8-14-15
	Drivers Signature Date
Noted Discrepancies:	Direct Date
Inspected & Accepted (except as noted above	a Ry: Farthtee Environmental Inc
inspected at Procepted (except as noted above	c by. Latitude Environmental, inc.
Accepted By:	Date: 8-13-5
Accepted by.	Date: 0 10 0

70.00

NORTH CARCLINA
PUBLIC WOOD MASTER INVALID UNLESS SIGNED

918 ID. NO.

68180 1b GR 29580 1b TR RECALLED 38600 1b NT

08/14/15 11:44

NON-HAZARDOUS	WASTE MANIFEST
Project Number: 2015044	Load Number:
Consultant	Contact: Alten Boshoff
Generator Generator	Phone: 919-233-8424
	Contact: Phone:
Southeast land Holding, LLC	David weish
Transporter:	Contact:
	Phone:
Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207	Contact: Scott Keller Phone: 919-774-4517
Waste Description:	111 . 0
	1101 E. Third St., Siler City, NC
gasoline Truck #: 8956,2	Gross Weight: 68180
q. oo,	Tare Weight: 24580
	Net Weight: 3×600
	1920
Generator's Certification: I certify that the mate subject to federal regulations for reporting proper	er disposal of HAZARDOUS WASTE.
22011 01	4 Ce Admin 8/13/15
Generator / Agent Signature	Title Date
Acknowledgment of Receipt of Material:	914/15
X	Divers Signature Date
Noted Discrepancies:	
Inspected & Accepted (except as noted above	e By: Earthtec Environmental, Inc.
Accepted By:	Date: 8-13-15

TON 918

Earthtec of NC, Inc. Post Office Box 130 Sanford, NC 27331

Phone #: 919-774-4517 Fax #: 919-774-6415

PUBLIC WEIGHEASTER
LICENSE EXPIRES JUNE 30, 2016
JESSIE GODFREY

Project Number: 20150 44	Load Number:	Load Number:		
Consultant	Contact: Alton R	Contact: Alton Boshoff		
Geo Support, inc	Phone: 919-233-			
Generator	Contact: Phone:			
Southeast land Holding, L	c Dowid welst	~		
Transporter:	Contact:	***************************************		
. 4	Phone:			
Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207	Contact: Scott Keller Phone: 919-774-451			
Waste Description: gasound	Waste Origination	st., Siler City, NC		
Truck #: 5/ 2	Gross Weight:	918 ID. NO.		
	Tare Weight:	71140 10 SR 29580 16 TR RECA		
	Net Weight:	41560 lb NT		
		08/14/15 13911		
Generator's Certification: I certify that the musubject to federal regulations for reporting pro	aterials described above or oper disposal of HAZARD	ous waste.		
Generator / Agent Signature	Title	Date		
Acknowledgment of Receipt of Material:		8/14/15		
	Drivers Signature	Date		
Noted Discrepancies:				

Earthtee of NC, Inc. NORTH CAROLINA Post Office Box 130 PUBLIC WEIGHMASTER Sanford, NC 27331 Phone #: 919-774-451 Fax #: 919-774-6415 7000 ID. NO. INVALID UNLESS SIGNED 74300 lb GR 31260 15 TR RECALLED 43040 16 NT 08/14/15 13:15 NON-HAZARDOUS WASTE MANIFEST Project Number: Load Number: 2015046 Contact: Alton Boshoff Consultant Phone: 919-233-8626 Generator Contact: Phone: Dowid welsh Southlast Transporter: Contact: Phone: Destination: Earthtec Environmental, Inc Contact: Scott Keller 3145 Rosser Road, Bear Creek, NC 27207 Phone: 919-774-4517 Waste Origination 1101 E. Third St., Siler City, NC Waste Description: Truck #: Gross Weight: Tare Weight: Net Weight: Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE. Milia

Generator / Agent Signature

Acknowledgment of Receipt of Material:

Date

1-14-15

Drivers Signature

Date

Noted Discrepancies:

Inspected & Accepted (except as noted above By: Earthtee Environmental, Inc.

Accepted By: Day Day

Date: 8-14-15

7000

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2016
JOB F. HOLDER 31798
/INVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST

Project Number: 2015044	Load Number:			
Consultant	Contact: Alton B	osnoff		1
Geo Support, inc	Phone: 919-233-			
C	Contact: Phone:	0.4.24		1
Southeast land Holding, LLC	David weish	_		
Transporter:	Contact:			
	Phone:	1	121	
Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207	Contact: Scott Keller Phone: 919-774-4517			
Waste Description:	Waste Origination			
gasoline Truck #: G-19	1101 E. Third	st., Sil	er city, ne	
Truck #:	Gross Weight:	~~~		
G-19		7000	10. NO.	
	Tare Weight:		lb 6R	
	Net Weight:	51 ZEU 47640	15 IN RECAL 15 NT	LED
		08/14/15	14:49	23,8
	rials described above on r disposal of HAZARDO Fice Admin	this manifes OUS WAST	st are not E.	23,82 tons
Generator / Agent Signature	Title 1	, Da	te	
Acknowledgment of Receipt of Material:	Lewy 1/mi	5 8/	14/15	
	Drivers Signature	Da	te	
Noted Discrepancies:				
Inspected & Accepted (except as noted above	By: Earthtec Environ	mental. Inc	2.	
Accepted By: Frankie Holler		Date: 8-1		

NORTH CAROLINA PUBLIC WEIGHMASTER LICENSE EXPIRES JUNE 30, 2018

Project Number: 20150 44	Load Number:	
Consultant	Contact: Alten Bos	snoff
GeoSupport, inc	Phone: 919-233-8	1626
Generator	Contact: Phone:	
Generator Southeast Land Holding, LLC	David welsh	
Transporter:	Contact:	
	Phone:	
Destination: Earthtec Environmental, Inc	Contact: Scott Keller	**.
3145 Rosser Road, Bear Creek, NC 27207	Phone: 919-774-4517	
Waste Description:	Waste Origination	. charlib. Nr
gasoline	1101 E. Third	st., Siver City, NC
gasoline Truck#: 5C-2	Gross Weight:	
	Tare Weight:	918 ID. NO.
	Net Weight:	7092U IB KR
		29580 In TR RECAL
		41340 1h HT
		08/14/15 15:05
Generator's Certification: I certify that the mate subject to federal regulations for reporting prope	erials described above on t	08/14/15 15:05 his manifest are not US WASTE.
/ /// reporting prope	a disposal of FIAZARDO	US WASIE.
Cz. Ar Oll of	fice Admin	8/13/15
Generator / Agent Signature	Title 1	Date
Acknowledgment of Receipt of Material:	Souse	8/14/15
	Drivers Signature	Date
Noted Discrepancies:		
Inspected & Accepted (except as noted abov	e By: Earthtec Environi	mental, Inc.
Accepted By: Franki Hold.		Pate: 8-14-15

Date: 8-14-15

Earthtec of NC, Inc. Post Office Box 130 Sanford, NC 27331 Phone #: 919-774-45 LICENSE EXPIRES JUNE 30 18
JESSIE GODFREY 1795

INVALLE UNLESS SIGNE

Fax #: 919-774-6415

Accepted By:

NON-HAZARDOUS WASTE MANIFEST

Project Number: 20150 44	Load Number:			
Consultant	Contact: Alton Bos	Contact: Alton Boshoff		
GeoSupport, inc	Phone: 919-233-8			
Generator	Contact: Phone:	7-7		
Southeast land Holding, LLC	David welsh			
Transporter:	Contact:			
	Phone:			
Destination: Earthtec Environmental, Inc	Contact: Scott Keller			
3145 Rosser Road. Bear Creek, NC 27207	Phone: 919-774-4517	3		
Waste Description:	Waste Origination	Charlie MC		
gasoline	1101 E. Thirds	st., Siver City, NC		
gasoline Truck #: (-) (9	Gross Weight:	7000 ID. NO.		
	Tare Weight:	73440 1b GR		
		31260 15 TR RECAL		
	Net Weight:	42180 1b NT		
-		08/17/15 08:51		
Generator's Certification: I certify that the mate				
subject to federal regulations for reporting prop	er disposal of HAZARDOU	JS WASTE.		
Czesh Oll 0	ffice Admin	8/13/15		
Generator / Agent Signature	Title 1	Date		
Acknowledgment of Receipt of Material:	Keny 1/05	8-17-15		
	Drivers Signature	Date		
Noted Discrepancies:		A STATE OF		
Inspected & Accepted (except as noted above				

70.00

Date: 8-13-15



	S WASTE MANIFEST
Project Number: 20150 44	Load Number:
Consultant	Contact: Alton Boshoff
GeoSupport, Inc.	Phone: 919-233-8626
(renerator	Contact: Phone:
Southeast land Holding, LLC	David welsh
Transporter:	Contact:
	Phone:
Destination: Earthtec Environmental, Inc	Contact: Scott Keller
145 Rosser Road, Bear Creek, NC 27207	Phone: 919-774-4517
Waste Description: gasoline	Waste Origination 1101 E. Third St., Siler City, NC
Truck #: (+49	Gross Weight: 7000 ID. NO.
-011	Tare Weight: 77780 1b GR 31260 1b TR RECA
	Net Weight: 46520 1b NT 08/17/15 10:08
Generator's Certification: I certify that the ma subject to federal regulations for reporting pro	terials described above on this manifest are not per disposal of HAZARDOUS WASTE. Hill Admin 81315
Generator / Agent Signature	Title Date
Acknowledgment of Receipt of Material:	
	Drivers Signature Date
Noted Discrepancies:	Date
nspected & Accepted (except as noted abo	ve By: Farthtec Environmental Inc
isposite de l'isospite (enterprise notes acc	To 29. Zaninoo Birriotinettai, me.
	Date: 8-17-1

7000

PUBLIC VEIGHMANT PUBLIC VEIGHMANT PUBLIC VEIGHMANT PUBLIC VEIGHMANT POST Office Box 130 ESSIE GODFREY Sanford, NC 27331

Phone #: 919-774-451 EWALID UNLESS SIGNED Fax #: 919-774-6415

NON-HAZARDOUS WASTE MANIFEST

Project Number: 20150 46	Load Number:	
Consultant	Contact: Alton Boshoff	1
GeoSupport, inc	Phone: 919-233-2426	
Generator Southleast Land Holding, LLC	Contact: Phone:	
Transporter:	Contact: Phone:	1
Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207	Contact: Scott Keller Phone: 919-774-4517	
Waste Description: gasound	Waste Origination 1101 E. Third St., Siler City, NC	
gasount Truck #: S C-2	Gross Weight:	
	Tare Weight: 69300 1h GR	
	Net Weight: 29580 15 TR RECA 39720 15 NT	LED TO N
	08/17/15 10:16	1966
Generator's Certification: I certify that the mat subject to federal regulations for reporting prop	erials described above on this manifest are not er disposal of HAZARDOUS WASTE.	
Czift Oll 0	ffice Admin 8/13/15	
Generator / Agent Signature Acknowledgment of Receipt of Material:	Title Date 8/17/16	
Noted Discommunicat	Drivers Signature Date	
Noted Discrepancies:	ua Dry Couthton Environmental Inc	
Inspected & Accepted (except as noted above	ve by: Eartified Environmental, Inc.	
Accepted By:	Date: \$-19-15	

Earthtec of NC, Inc. PUBLIC WEIGHMASTER Post Office Box 130 Phone #: 919-774-4517 Sanford, NC 27331 Fax #: 919-774-6415 INVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST

Project Number: 20150 44	Load Number:
Consultant	Contact: Alton Boshoff
GeoSupport, inc	Phone: 919-233-8626
Lieberator	Contact: Phone:
Southeast land Holding, LLC	Dowid welsh
Transporter:	Contact:
	Phone:
Destination: Earthtec Environmental, Inc	Contact: Scott Keller
3145 Rosser Road, Bear Creek, NC 27207	Phone: 919-774-4517
Waste Description:	Waste Origination
gasovine	1101 E. Third St., Siler City, NC
Truck #:	Gross Weight: 918 ID. NO.
The state of the s	Tare Weight: 68820 1b GR 29580 1b TR RECAL
- V	Net Weight: 39240 1b NT
-	08/17/15 08:59 /c
Generator's Certification: I certify that the mate subject to federal regulations for reporting proper	erials described above on this manifest are not
	Title Date Date
Generator / Agent Signature	Title / Date
Acknowledgment of Receipt of Material:	MANUFACTOR - 11112
	privers Signature Date
Noted Discrepancies:	Y /
Inspected & Accepted (except as noted above	ve By: Earthtec Environmental, Inc.
Accepted By:	Date: 8-17-1
//	

Accepted By: __

NON-HAZARDOUS WASTE MANIFEST Project Number: Load Number: 2015066 Consultant Contact: Alton Boshoff GED SUDDOC Phone: 919-233-8626 Contact: Phone: Dowid welsh Southeast land Holding Transporter: Contact: Phone: Destination: Earthtec Environmental, Inc. Contact: Scott Keller 3145 Rosser Road, Bear Creek, NC 27207 Phone: 919-774-4517 Waste Origination Waste Description: 1101 E. third St., Siler City, NC Truck #: Gross Weight: Tare Weight: 69900 15 69 Net Weight: 29580 16 TR RECALLED 40320 15 HT 08/17/15 07:21 Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE. Generator / Agent Signature Acknowledgment of Receipt of Material: Drivers Signature Noted Discrepancies:

Date: 8-17-15

Inspected & Accepted (except as noted above By: Earthtee Environmental, Inc.

Post Office Box 130
Sanford, NC 27331
Phone #: 919-774-4517 LICENSE EXPIRES JUNE 30, 25/16
Fax #: 919-774-6415

INVALID UNLESS SIGNED

Project Number:	Load Number:
Consultant	Contact: Alton Boshoff
Geo Support, inc	Phone: 919-233-8626
Jeneralor	Contact: Phone:
boutheast land Holding, LLC	
Transporter:	Contact:
	Phone:
Destination: Earthtec Environmental, Inc	Contact: Scott Keller
145 Rosser Road, Bear Creek, NC 27207	Phone; 919-774-4517
Waste Description:	Waste Origination
gasoline	1101 E. Third St., Siler City, NC
gasoline Fruck #: SC2	Gross Weight:
	Tare Weight: 918 ID. NO.
	Net Weight: 67040 1b 6R
	29580 16 TR REC
	08/17/15 11:42
Generator's Certification: I certify that the ma ubject to federal regulations for reporting pro	aterials described above on this manifest are not oper disposal of HAZARDOUS WASTE.
- 4 BI	Office Almin Alizhs
ienerator / Agent Signature	Title Date 8/17/16
	Title Plante
Acknowledgment of Receipt of Material: _	
	Drivere Signature Date
Noted Discrepancies:	

918



Accepted By:

NON-HAZARDOUS WASTE MANIFEST Load Number: Project Number: 201504 Contact: Alton Boshoff Consultant Phone: 919-233-8626 GEWS Contact: Phone: Dowid welsh Southleast Lan Contact: Transporter: Phone: Contact: Scott Keller Destination: Earthtec Environmental, Inc 3145 Rosser Road, Bear Creek, NC 27207 Phone: 919-774-4517 Waste Origination 1101 E. Third St., Siler City, NC Waste Description: Gross Weight: Truck #: 7000 ID. NO. Tare Weight: 65200 1b GR Net Weight: 31260 15 TR RECALLED 33940 Ib NT 16.97 08/17/15 11:31 Generator's Certification: I certify that the materials described above on this manifest are not tons subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE. Generator / Agent Signature Acknowledgment of Receipt of Material: Noted Discrepancies: Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2016
JOE PHOLOGRAPH 31798

NON-HAZARDOUS WASTE MANIFEST Project Number: Load Number: 2015046 Consultant Contact: Alton Boshoff Phone: 919-233-8626 Generator Contact: Phone: Dowid welsh Southeast Transporter: Contact: Phone: Destination: Earthtec Environmental, Inc Contact: Scott Keller 3145 Rosser Road, Bear Creek, NC 27207 Phone: 919-774-4517 Waste Description: Waste Origination 1101 E. Third St., Siler Lity, NC Truck #: Gross Weight: Tare Weight: 918 ID. NO. 72440 Ib GR Net Weight: 29580 1b TR RECALLED 42860 15 NT 08/17/15 13:44 Generator's Certification: I certify that the materials described above on this manifest are not tons subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE. Generator / Agent Signature Acknowledgment of Receipt of Material: vers Signature Noted Discrepancies: Inspected & Accepted (except as noted above By: Earthtee Environmental, Inc. Accepted By: Franke Date: 8-17-15

Accepted By: _____

NORTH CAROLINA
PUBLIC WEIGHMASTER
LICENSE EXPIRES JUNE 30, 2016
JOE PHOLOGOR 31798

MVALID UNLESS SIGNED

NON-HAZARDOUS WASTE MANIFEST Project Number: Load Number: 2015046 Contact: Alton Boshoff Consultant Phone: 919-233-8626 Contact: Phone: David welsh Southeast L Transporter: Contact: Phone: Destination: Earthtee Environmental, Inc Contact: Scott Keller 3145 Rosser Road, Bear Creek, NC 27207 Phone: 919-774-4517 Waste Origination 1101 E. Third St., Siler City, NC Waste Description: Truck #: Gross Weight: Tare Weight: 7000 ID. NO. Net Weight: 81860 lb GR 31260 16 TR RECALLED 50600 Ib NT Generator's Certification: I certify that the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of HAZARDOUS WASTE. Generator / Agent Signature Acknowledgment of Receipt of Material: Drivers Signature Date Noted Discrepancies: Inspected & Accepted (except as noted above By: Earthtec Environmental, Inc.

Date: 8-17-15

APPENDIX C Analytical Laboratory Report



12065 Lebanon Rd. Mt. Juliet, TN 37122 (615) 758-5858 1-800-767-5859 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Report Summary

Friday August 21, 2015

Report Number: L782861 Samples Received: 08/14/15 Client Project: 201566

Description: 1101 E 3rd

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ECC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

August 21,2015

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 1 Description : 1101 E 3rd 14, 2015

Sample ID : SP-1

Collected By : Alton Boshoff Collection Date : 08/13/15 09:00

ESC Sample # : L782861-01

Site ID :

Project # : 201566

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.6		*	2540 G-2011	08/15/15	1
TPH (GC/FID) Low Fraction Surrogate Recovery-%	739.	22.2	mg/kg	8015D/GRO	08/17/15	170
a,a,a-Trifluorotoluene(FID)	102.		% Rec.	8015D/GRO	08/17/15	1
TPH (GC/FID) High Fraction	47.8	5.22	mg/kg	3546/DRO	08/15/15	1
Surrogate recovery(%) o-Terphenyl	65.6		% Rec.	3546/DRO	08/15/15	1



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REPORT OF ANALYSIS

August 21,2015

Site ID :

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

ESC Sample # : L782861-02

Date Received : August 14, 2015 Description : 1101 E 3rd

Sample ID : S-1 15FT

Project #: 201566

Collected By : Alton Boshoff Collection Date : 08/13/15 09:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.7		*	2540 G-2011	08/17/15	1
TPH (GC/FID) High Fraction Surrogate recovery(%)	BDL	4.72	mg/kg	3546/DRO	08/19/15	1
o-Terphenyl	82.3		% Rec.	3546/DRO	08/19/15	1



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REPORT OF ANALYSIS

August 21,2015

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 1 Description : 1101 E 3rd 14, 2015

Site ID :

Sample ID : S-2 15FT

Project # : 201566

ESC Sample # : L782861-03

Collected By : Alton Boshoff Collection Date : 08/13/15 09:33

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	84.3		8	2540 G-2011	08/17/15	1
TPH (GC/FID) High Fraction	BDL	4.74	mg/kg	3546/DRO	08/19/15	1
Surrogate recovery(%) o-Terphenyl	83.8		% Rec.	3546/DRO	08/19/15	1



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ESC Sample # : L782861-04

Project # : 201566

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REPORT OF ANALYSIS

August 21,2015

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 14, 2015 Description : 1101 E 3rd

Site ID : Sample ID : S-3 16FT

Collected By : Alton Boshoff Collection Date : 08/13/15 12:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	82.4		8	2540 G-2011	08/17/15	1
TPH (GC/FID) Low Fraction Surrogate Recovery-%	3630	38.8	mg/kg	8015D/GRO	08/19/15	320
a,a,a-Trifluorotoluene(FID)	121.		% Rec.	8015D/GRO	08/19/15	1

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Reported: 08/21/15 15:52 Printed: 08/21/15 15:52



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Est. 1970

ESC Sample # : L782861-05

Project #: 201566

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REPORT OF ANALYSIS

August 21,2015

Site ID :

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 14, 2015 Description : 1101 E 3rd

Sample ID : S-4 16FT

Collected By : Alton Boshoff Collection Date : 08/13/15 12:21

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	87.1		8	2540 G-2011	08/17/15	1
TPH (GC/FID) Low Fraction Surrogate Recovery-%	113.	1.49	mg/kg	8015D/GRO	08/19/15	13
a,a,a-Trifluorotoluene(FID)	97.9		% Rec.	8015D/GRO	08/19/15	1

Results listed are dry weight basis. BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) Note:
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The reported analytical results relate only to the sample submitted
Reported: 08/21/15 15:52 Printed: 08/21/15 15:52



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REPORT OF ANALYSIS

August 21,2015

Site ID :

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 14, 2015 Description : 1101 E 3rd

Sample ID

S-5 16FT :

Parameter

Collected By : Alton Boshoff Collection Date : 08/13/15 12:22

Total Solids

ESC Sample # : L782861-06

Project # : 201566

Det. Limit Dry Result Units Method Date Dil. 81.4 8 2540 G-2011 08/17/15 1

TPH (GC/FID) Low Fraction Surrogate Recovery-% a,a,a-Trifluorotoluene(FID) 435. 12.9 8015D/GRO 08/20/15 105 mg/kg 98.6 % Rec. 8015D/GRO 08/20/15 1

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Company Name/Address:			Billing Info	ormation:						Analysis	/ Contai	ner / Pr	eservati	ve		Chain of Custod	y Pageof
Cohesion, Inc. 5216 Yates Mill Pond Rd Raleigh, NC 27606																	ESC
Report to:	-		Email To:													12065 Labanon Rd Mount Juliet, TN 3	7122
Chris Boshoff			cbosho	ff@cohesion											45	Phone: 615-758-54 Phone: 800-767-54	858
roject escription: 1101 E	3 74	1		City/State Collected:	Ver GA	4			that							Fax: 615-758-5859	CI. RPAIL
hone: (919) 233-8626	Client Project # 201566		Lab Project W None					F						- Contraction of the Contraction	7261 083		
ALTON BOSHOR	Site/Facility ID #			P.O. #			(Klui	ž	r Wate	or Wate	()	only)				Acctnum: CC Template:	DHINRNCR
Collected by (signature): mmediately Packed on Ice N Y	1	γγ	Notified) 200% 100% 50% 25%	Email?_	No _Yes	No.	V602 (Water Only)	625 (Water Only)	VPHNC (Soil or Water)	EPHNC (Soil or Water)	V8260 (Soil only)	SV8270D (Soil only)	H-GRO	4-DRO		Prelogin: TSR: Cooler:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Catrs	760	625	Š	EP	V82	SVE	ТРН	ТРН		Shipped Via: Rem,/Conternous	et Sample # (lab only)
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elinguished by !(Signature)	3	S/13/	6	Time: D	cerved for lab by:	La	lure)			Date /	14/1	Tin	ne: 084	15	PHC	ecked: NCF	



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Est. 1970

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Report Summary

Friday August 21, 2015

Report Number: L783591 Samples Received: 08/18/15 Client Project: 2015066

Description: 1101 E Third

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

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REPORT OF ANALYSIS

August 21,2015

Chris Boshoff Cohesion, Inc. - Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 18, Description : 1101 E Third 18, 2015

Sample ID : S-6 3 FT

Collected By : Alton Boshoff Collection Date : 08/17/15 09:30

ESC	Sample	#		L783591-01
ESC	Sambre	77	+	T102231-01

Site ID :

Project # : 2015066

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	69.5		8	2540 G-2011	08/20/15	1
TPH (GC/FID) High Fraction	BDL	5.76	mg/kg	3546/DRO	08/21/15	1
Surrogate recovery(%) o-Terphenyl	50.3		% Rec.	3546/DRO	08/21/15	1



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ESC Sample # : L783591-02

Project #: 2015066

REPORT OF ANALYSIS

August 21,2015

Site ID :

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 18, 2015 Description : 1101 E Third

Sample ID : S-7 3 FT

Collected By : Alton Boshoff Collection Date : 08/17/15 09:35

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	71.7		8	2540 G-2011	08/20/15	1
TPH (GC/FID) High Fraction	BDL	5.58	mg/kg	3546/DRO	08/21/15	1
Surrogate recovery(%) o-Terphenyl	50.0		% Rec.	3546/DRO	08/21/15	1

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REPORT OF ANALYSIS

August 21,2015

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 18, 2015 Description : 1101 E Third

Sample ID

: S-8 3 FT

Collected By : Alton Boshoff Collection Date : 08/17/15 09:40

Site ID :

Project # : 2015066

ESC Sample # : L783591-03

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.4		%	2540 G-2011	08/20/15	1
TPH (GC/FID) High Fraction Surrogate recovery(%)	BDL	5.45	mg/kg	3546/DRO	08/21/15	1
o-Terphenyl	51.8		% Rec.	3546/DRO	08/21/15	1

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REPORT OF ANALYSIS

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Project #: 2015066

ESC Sample # : L783591-04

August 21,2015

Site ID :

Date Received : August 18, 2015 Description : 1101 E Third

Sample ID

: S-9 3 FT

Collected By : Alton Boshoff Collection Date : 08/17/15 09:45

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	73.5		*	2540 G-2011	08/20/15	1
TPH (GC/FID) High Fraction Surrogate recovery(%)	BDL	5.44	mg/kg	3546/DRO	08/21/15	1
o-Terphenyl	50.3		% Rec.	3546/DRO	08/21/15	1

Results listed are dry weight basis. BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) Note:

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REPORT OF ANALYSIS

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606 August 21,2015

Site ID :

ESC Sample # : L783591-05

Project #: 2015066

Date Received August 18, 2015 :

Description

1101 E Third

S-10 3 FT

Sample ID

Collected By : Alton Boshoff Collection Date : 08/17/15 10:30

Units Method Date Dil. 2540 G-2011 08/20/15 1

Parameter Dry Result Det. Limit Total Solids 84.4 TPH (GC/FID) Low Fraction Surrogate Recovery-% a,a,a-Trifluorotoluene(FID) BDL 1.75 08/20/15 14.75 mg/kg 8015D/GRO 99.4 % Rec. 8015D/GRO 08/20/15 1

Results listed are dry weight basis. BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) Note: This report shall not be reproduced, except in full, without the written approval from ESC. The reported analytical results relate only to the sample submitted Reported: 08/21/15 16:29 Printed: 08/21/15 16:30



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Est. 1970

ESC Sample # : L783591-06

REPORT OF ANALYSIS

August 21,2015

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 18, 2015 Description : 1101 E Third

Sample ID

: S-11 3 FT

Collected By : Alton Boshoff Collection Date : 08/17/15 10:35

Site ID :

Project #: 2015066

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.4		8	2540 G-2011	08/20/15	1
TPH (GC/FID) Low Fraction	BDL	1.73	mg/kg	8015D/GRO	08/20/15	14.75
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	99.3		% Rec.	8015D/GRO	08/20/15	1

Results listed are dry weight basis. BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) This report shall not be reproduced, except in full, without the written approval from ESC. The reported analytical results relate only to the sample submitted Reported: 08/21/15 16:29 Printed: 08/21/15 16:30



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Est. 1970

ESC Sample # : L783591-07

REPORT OF ANALYSIS

August 21,2015

Site ID :

Project # : 2015066

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 18, 2015 Description : 1101 E Third

: S-12 3 FT Sample ID

Collected By : Alton Boshoff Collection Date : 08/17/15 10:40

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	85.8		*	2540 G-2011	08/20/15	1
TPH (GC/FID) Low Fraction	11.6	1.49	mg/kg	8015D/GRO	08/20/15	12.75
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	99.7		% Rec.	8015D/GRO	08/20/15	1

Results listed are dry weight basis. BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) This report shall not be reproduced, except in full, without the written approval from ESC. The reported analytical results relate only to the sample submitted Reported: 08/21/15 16:29 Printed: 08/21/15 16:30



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REPORT OF ANALYSIS

August 21,2015

Site ID :

Chris Boshoff Cohesion, Inc. - Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 18, 2015 Description : 1101 E Third

Sample ID : S-13 2.5 FT

Collected By : Alton Boshoff Collection Date : 08/17/15 11:30

ESC Sample # : L783591-08

Project # : 2015066

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	76.1		8	2540 G-2011	08/20/15	1
TPH (GC/FID) Low Fraction	4.11	1.68	mg/kg	8015D/GRO	08/20/15	12.75
Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	103.		% Rec.	8015D/GRO	08/20/15	1
TPH (GC/FID) High Fraction	771.	26.3	mg/kg	3546/DRO	08/21/15	5
Surrogate recovery(%) O-Terphenyl	138.		% Rec.	3546/DRO	08/21/15	5

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REPORT OF ANALYSIS

August 21,2015

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

ESC Sample # : L783591-09

Date Received

: August 18, : 1101 E Third 18, 2015

Description

Site ID :

Sample ID

SP-2 :

Project #: 2015066

Collected By : Alton Boshoff Collection Date : 08/17/15 09:00

Dry Result Det. Limit Parameter Units Method Date Dil. Total Solids 79.7 8 2540 G-2011 08/20/15 1 TPH (GC/FID) Low Fraction 4.33 1.35 mg/kg 8015D/GRO 08/20/15 10.75 Surrogate Recovery-% a, a, a-Trifluorotoluene (FID) 102. 08/20/15 1 % Rec. 8015D/GRO TPH (GC/FID) High Fraction BDL 5.02 08/21/15 1 3546/DRO mg/kg Surrogate recovery (%) o-Terphenyl 55.6 08/21/15 1 % Rec. 3546/DRO

Results listed are dry weight basis. BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) This report shall not be reproduced, except in full, without the written approval from ESC. The reported analytical results relate only to the sample submitted Reported: 08/21/15 16:29 Printed: 08/21/15 16:30

Attachment A List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Anal	yte			Run	Qualifier
L783591-01	WG810249	SAMP	TPH	(GC/FID)	High	Fraction	R3065521	J3
L783591-02	WG810249	SAMP	TPH	(GC/FID)	High	Fraction	R3065521	J3
L783591-03	WG810249	SAMP	TPH	(GC/FID)	High	Fraction	R3065521	J3
L783591-04	WG810249	SAMP	TPH	(GC/FID)	High	Fraction	R3065521	J3
L783591-08	WG810249	SAMP	TPH	(GC/FID)	High	Fraction	R3065521	J3
L783591-09	WG810249	SAMP	TPH	(GC/FID)	High	Fraction	R3065521	J3

Attachment B Explanation of QC Qualifier Codes

Qualifier	Qua.	li:	fi	er
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Meaning

J3

The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision The agreement between a set of samples or between duplicate samples.

 Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Company Name/Address:	Hispan Panylo	a propriet	Billing Infor	rmation:			7		A	nalysis ,	/ Contai	ner / Pre	servativ	re .		Chain	of Custody	Page of _
Cohesion, Inc. 5216 Yates Mill Pond Rd Raleigh, NC 27606																A	KE	SC
Report to: Chris Boshoff			Email To:	ff@cohesion-	Inc. com											12065 Mount	Juliet, TN 371 615-758-585	
Project	E TH		110	City/State Collected: 5/		74		200									800-767-585 6-758-5859	
Phone: (919) 233-8626	Client Project ZO Site/Facility IO		6	Lab Project # None					c	(46							1875 E17	The second secon
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Collected by (signature): Immediately Packed on ice N Y	Same I Next D Two Da	ab MUST Be Day By Day	200% 100%	4 PA4	No Yes	No.	V602 (Water Only)	SV625 (Water Only)	VPHNC (Soil or Water)	EPHNC (Soil or Water)	V8260 (Soil only)	SV8270D (Soil only)	H-GRO	H-DRO		Prela TSR: Coale	gin:	
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12065 Lebanon Rd. Mt. Juliet, TN 37122 (615) 758-5858 1-800-767-5859 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Report Summary

Wednesday August 26, 2015

Report Number: L785007 Samples Received: 08/25/15 Client Project: 2015066

Description: 1101 E. Third

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Mark W. Beasley , ECC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



12065 Lebanon Rd. Mt. Juliet, TN 37122 (615) 758-5858 1-800-767-5859 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

August 26,2015

Chris Boshoff Cohesion, Inc.- Trustfund 5216 Yates Mill Pond Rd. Raleigh, NC 27606

Date Received : August 25, 2015 Description : 1101 E. Third

Sample ID : SP-2

Collected By : Alton Boshoff Collection Date : 08/17/15 09:00

ESC Sample # : L785007-01

Site ID :

Project #: 2015066

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	88.4		8	2540 G-2011	08/26/15	1
TPH (GC/FID) Low Fraction Surrogate Recovery-%	679.	22.6	mg/kg	8015D/GRO	08/26/15	200
a,a,a-Trifluorotoluene(FID)	94.6		% Rec.	8015D/GRO	08/26/15	1
TPH (GC/FID) High Fraction	BDL	4.52	mg/kg	3546/DRO	08/26/15	1
Surrogate recovery(%) o-Terphenyl	70.0		% Rec.	3546/DRO	08/26/15	1

10.73			Billing Infor	rmation:	-t.e1 ¹		1	154	A	nalysis /	Contain	ner / Pre	servatis	ve			Chain of Custody	Page of
Company Name/Address: Cohesion, Inc. 5216 Yates Mill Pond Rd Raleigh, NC 27606												1	のというない				₩.	
Report to: Chris Boshoff			Email To: cbosho	ff@cohesion-l	nc.com												12065 Lebanon Rd Mount Juliet, TN 37 Phone: 615-754-58 Phone: 805-767-58	8 3.27
	E. THI			City/State Collected: 52		14									# C		Fax 615-75#5859	785 007
Phone: (919) 233-8626	Client Project		6/	Lab Project # None					e	2.6							EO	The state of the s
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Collected by (signature): Immediately Packed on ice N Y	Rush? (L Same I Next D	Y management	200%	Date Re ASAP Email?_! FAX?_No		No.	V602 (Water Only)	625 (Water Only)	VPHNC (Soil or Water)	EPHNC (Soil or Water)	V8260 (Soll only)	SV8270D (Soil only)	TPH - GRO	H-DRO			Prelogin: TSR: Coaler: Shipped Via:	
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APPENDIX D

UST-3 Notice of Intent: UST Permanent Closure

Town of Siler City Inspection Report

UST-61 24 Hour Release

UST-3 Notice of Intent: UST Permanent Closure or Change-in-Service Return completed form to: STATE USE ONLY The DWM Regional Office located in the area where the facility is located. Send a copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED" and your tank fee account can be closed out. SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES. Date Received INSTRUCTIONS (READ THIS FIRST) Complete and return at least thirty (30) days prior to closure or change-in-service activities. If a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports then at least a five (5) working days notice is acceptable. Completed UST closure or change-in-service site assessment reports, along with a copy of the UST-2 form, should be submitted to the appropriate Division of Waste Management (DWM) Regional Office within thirty (30) days following closure activities. The UST-2 form should also be submitted to the Central Office in Raleigh so that the status of the tanks may be changed to permanently closed and your tank fee account can be closed out. UST closure and change-in-service site assessments must be completed in accordance with the latest version of the Guidelines for Tank Closure. The Guidelines for Tank Closure can be obtained at www.wastenotnc.org. You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs. I. OWNERSHIP OF TANKS II. LOCATION Facility Name or Company Owner Name (Corporation, Individual, Public Agency, or Other Entity) David Welch Townsends, Inc. Street Address Facility ID # (If known) 6775 Reynolda Road, P.O. Box 99 00-0-0000032430 City County Street Address Pfafftown Forsyth 1101 East Third Street State Zip Code Zip Code County NC 27040 Siler City Chatham 27344 Phone Number Phone Number 704-219-9944 N/A III. CONTACT PERSONNEL Company Name: Phone Number: Job Title: Cohesion, Inc. Christoph Boshoff President 233-8626 IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN SERVICE 1. Contact local fire marshal. Provide a sketch locating piping, tanks and a P.E. or L.G., with all closure site assessment reports bearing the signature soil sampling locations. 2 Plan entire closure event. and seal of the P.E. or L.G. If a release has Submit a closure report in the format of 3. Conduct Site Soil Assessment. not occurred, the supervision, signature or UST-12 (including the form UST-2) within seal of a P.E. or L.G. is not required. If removing tanks or closing in place, refer to thirty (30) days following the API Publication 2015 Cleaning Petroleum Keep closure records for three (3) years. Storage Tanks and 1604 Removal and If a release from the tanks has occurred, the Disposal of Used Underground Petroleum site assessment portion of the tank closure Storage Tanks. must be conducted under the supervision of V. WORK TO BE PERFORMED BY Contractor Name: Contractor Company Name: Christoph Boshoff Cohesion, Inc. Address: State: Zip Code: Phone No: 5216 Yates Mill Pond Road NC 27606 919-233-8626 Primary Consultant Name: Primary Consultant Company Name: Consultant Phone No: Christoph Boshoff Cohesion, Inc. 919-233-8626 VI. TANKS SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE Proposed Activity Closure Change-In-Service Removal Abandonment in Place * Tank ID No. Size in Gallons **Last Contents** New Contents Stored 10000 Gasoline, Gas Mix #1 #2 10000 Dielsel, Dielsel Mix * Prior written approval to abandon a tank in place must be received from a DWM Regional Office. VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs. Print name and official title: Boshoff - President Signature Date Signed SCHEDULED REMOVAL DATE Notify your DWM Regional Office

8/12/2015

48 hours before this date if scheduled removal date changes

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Name of Business	SION			Owner or Manager	40			Bosi	hoff
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mad - 5216	yets 3	mille	27606	Inspection Date	-17-15		13-15	Time QE	2021
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MAIL PAYMENT TO:



ty/Town: Siler City	Confirmed Confirmed Samples To Free Produ Thickness INCIDEN Strict St.	T DESCRIPTION	Date Coming Reg/	ty ID Number Leak Discovered 8 117 15 m/Non-Commercial? Com Non-regulated? Reg
ty/Town: Siler City	ast Land H. Third St.	oldings LL		
ty/Town: Siler City	third St.			
títude (decimal degrees): 35,73		21344 Raleigh	Office (circle one): A	Sheville, Mooresville, Fayetteville
release, amount of free product pro	malysis of H-GROPORO	responses conducted, impact	cts to receptors)	GPS Topographic map GIS Address matching Other Unknown Describe location:
Release Detection Equipment or l During UST Closure/Removal Property Transfer	Methods Visual/	(Check one) Odor		Groundwater Contamination Surface Water Contamination Other (specify)
*	SOURCE OF	FCONTAMINATIO)N	
Source of Release (Check one to indicate primary source)	Cause of Release (Check one to indicate primary cause)	Type of Release (Check one)	(Check one to	ct Type Released indicate primary product type released)
Tank ☐ Piping ☐ Dispenser ☐ Submersible Turbine Pump ☐ Delivery Problem ☐ Other ☐ Unknown	☐ Spill ☐ Overfill ☐ Corrosion ☐ Physical or Mechanical ☐ Damage ☐ Install Problem ☐ Other ☑ Unknown Definitions presented on reverse	Petroleum Non-Petroleum Both Location (Check one) Facility Residence Other	Gasoline/ Die Kerosene Heating Oil Other Petrole Products Metals Other Inorga Other Organ	Diesel/Veg. Oil Blend Vegetable Oil 100% Bum E10 - E20 E21 - E84 Diesel/Veg. Oil Blend Vegetable Oil 100% E10 - E90

	IMPACT ON DRINE	KING WATER SUPPLIES	4,-
Water Supply Wells Affected?	1. Yes 2. No 3. Un	known	
Number of Water Supply Wells Affe		d Dhana Numbers Attack additions	d shoot if accessed
Water Supply Wells Contaminated:	(Include Users Names, Addresses ar	na Phone Numbers. Attach additiona	is sneet if necessary)
1. 2.	3-1		
3.			The state of the s
UST Owner/Company	UST SYS	TEM OWNER	1 - The second second
001 Owner/Company			
Point of Contact	4, 4,	Address	-3
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City	State	Zip Code	Telephone Number
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UST Operator/Company		Address	7 · · · · ·
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City	State	Zip Code	Telephone Number
	LANDOWNER AT LOC	CATION OF UST INCIDEN	IT
Landowner Southeast	Land Holdings LL	-C Address Po Box 9	19
City	State	Zip Code	Telephone Number
Pfafftown	NC	27040	704-219-9944
Draw Sketch	n of Area (showing two r	major road intersectior	ns) or Attach Map
Person Reporting Incident	Company Cohesia	n Inc	Telephone Number
Title	Address 5216 Vate	s Mill Pond Rd	Date 9/4/15
UST Form 61 (02/08)	Raleigh	27606	Page 2 of 2

means the tank that stores the product and is part of the underground storage tank system Tank:

means the piping and connectors running from the tank or submersible turbine pump to the dispenser or other end-use equipment (Vent, vapor recovery, or fill Piping: lines are excluded.)

Dispenser: includes the dispenser and the equipment used to connect the dispenser to the piping (e.g., a release from a suction pump or from components located above the shear valve)

includes the submersible turbine pump head (typically located in the tank sump), the line leak detector, and the piping that Submersible Turbine Pump (STP) Area connects the submersible turbine pump to the tank

Delivery Problem: identifies releases that occurred during product delivery to the tank. (Typical causes associated with this source are spills and overfills.)

serves as the option to use when the release source is known but does not fit into one of the preceding categories (e.g., for releases from vent lines, vapor recovery lines, and fill lines)

Unknown: identifies releases for which the source has not been determined

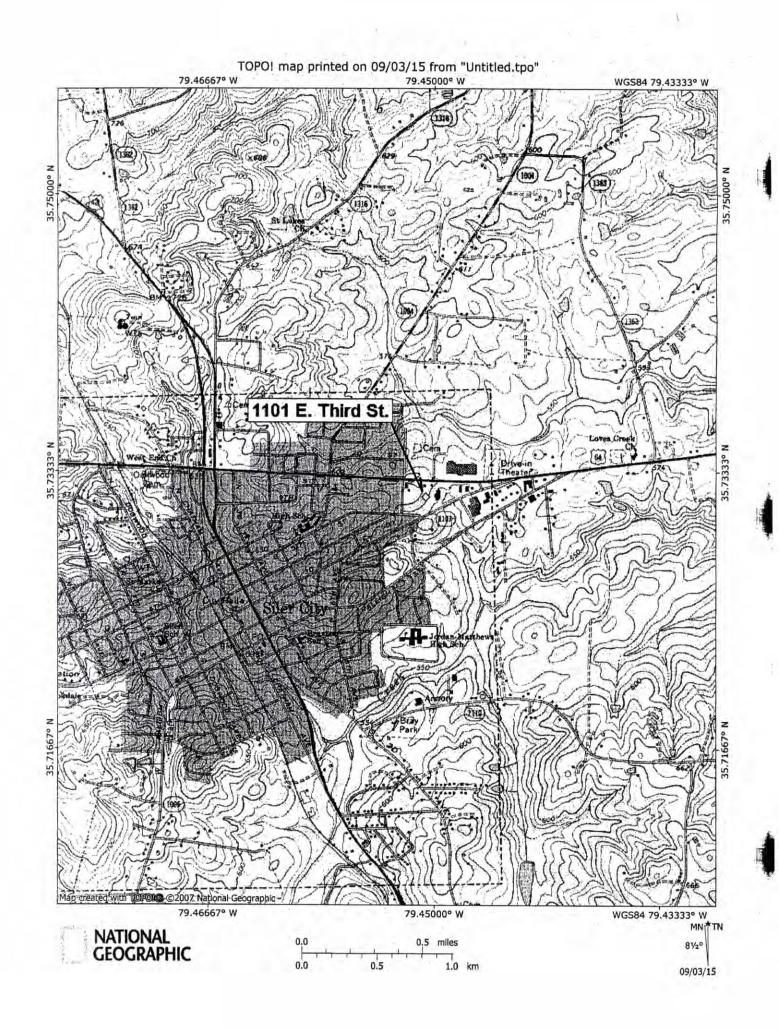
Definitions of Causes

use this cause when a spill occurs (e.g., when the delivery hose is disconnected from the tank fill pipe or when the nozzle is removed from the dispenser) Overfill: use when an overfill occurs (e.g., overfills may occur from the fill pipe at the tank or when the nozzle fails to shut off at the dispenser) Physical or Mechanical Damage: use for all types of physical or mechanical damage, except corrosion (e.g., puncture of tank or piping, loose fittings, broken

components, and components that have changed dimension) Corrosion: use when a metal tank, piping, or other component has a release due to corrosion (e.g., for steel, corrosion takes the form of rust)

Installation Problem: use when the problem is determined to have occurred specifically because the UST system was not installed properly

use this option when the cause is known but does not fit into one of the preceding categories (e.g., putting regulated substances into monitoring wells) Unknown: use when the cause has not been determined



3/6

North Carolina Department of Environmental Quality

ality FEB 1 2016

Pat McCrory Governor Donald R. van der Vaart Secretary

January 29, 2016

Mr. David Welch Townsends Inc. Property PO Box 99 Pfafftown, NC 27040

Re: Notice of Regulatory Requirements

15A NCAC 2L .0404 and 2L .0405

Risk-based Assessment and Corrective Action for Petroleum Underground Storage Tanks

Townsends UST 1101 East Third Street Chatham County

Incident Number: 39846 Risk Classification: Pending

Ranking: Pending

Dear Mr. Welch:

Information received by this office of the UST Section, Division of Waste Management, on September 25, 2015 confirms a release or discharge from a petroleum underground storage tank (UST) system at the above-referenced location. Records indicate that you are the owner or operator of this UST system. Therefore, as a responsible party, you must comply with the initial response and abatement action requirements of Title 15A NCAC 2L .0404 and, if applicable, the assessment and reporting requirements of Title 15A NCAC 2L .0405, within the timeframes specified in the attached rules. (Be aware that if the latter rule is applicable, you must comply with its requirements even if you do not receive formal notification from the UST Section.)

Initial abatement action requirements include the preparation and submittal of an Initial Abatement Action (IAA) Report, in accordance with Title 15A NCAC 2L .0404 and the most recent version of the *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases*, within 90 days of discovery of the release.

Because a release or discharge has been confirmed, a Licensed Geologist or a Professional Engineer, certified by the State of North Carolina, is required to prepare and certify all reports submitted to the Department in accordance with Title 15A NCAC 2L .0103(e) and 2L .0111(b).

Please note that before you sell, transfer, or request a "No Further Action" determination for a property that has not been remediated to below "unrestricted use" standards, you must file a Notice of Residual Petroleum ("Notice") with the Register of Deeds in the county where the property is located (NCGS 143B-279.9 and 143B-279.11).

Failure to comply with the State's rules in the manner and time specified may result in the assessment of civil penalties and/or the use of other enforcement mechanisms.

If you have any questions regarding trust fund eligibility or reimbursement from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds, please contact the

UST Section Trust Fund Branch at (919) 707-8171. If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the address or telephone number listed below.

Sincerely,

Clark Wipfield, L.G.

Hydrogeology

Raleigh Regional Office

UST Section, Division of Waste Management, NCDEQ

Enclosures:

Title 15A NCAC 2L .0404 and 2L .0405

A Brief History of North Carolina Session Laws, Rules, and General Statutes...

cc:

Environmental Health Director, Chatham County Health Department

Mr. W.H. Gibson, Cohesion, Inc.

UST Regional Offices

Asheville (ARO) - 2090 US Highway 70, Swannanoa, NC 28778 (828) 296-4500

Fayetteville (FAY) - 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 (910) 433-3300

Mooresville (MOR) - 610 East Center Avenue, Suite 301, Mooresville, NC 28115 (704) 663-1699

Raleigh (RRO) - 1628 Mail Service Center, Raleigh, NC 27699 (919) 791-4200

Washington (WAS) - 943 Washington Square Mall, Washington, NC 27889 (252) 946-6481

Wilmington (WIL) - 127 Cardinal Drive Extension, Wilmington, NC 28405 (910) 796-7215

Winston-Salem (WS) - 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, (336) 776-9800

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, (336) 641-3771



North Carolina Department of Environmental Quality

Pat McCrory Governor Donald R. van der Vaart Secretary

October 29, 2015

Mr. David Welch Townsends Inc. Property PO Box 99 Pfafftwon, NC 27040

Re:

Notice of Regulatory Requirements 15A NCAC 2L .0404 and 2L .0405

Risk-based Assessment and Corrective Action for Petroleum Underground Storage Tanks

Townsends UST 1101 E. Third St. Chatham County

Incident Number: 39846 Risk Classification: Pending

Ranking: Pending

Dear Mr. Welch:

Information received by this office of the UST Section, Division of Waste Management, on September 25, 2015 confirms a release or discharge from a petroleum underground storage tank (UST) system at the above-referenced location. Records indicate that you are the owner or operator of this UST system. Therefore, as a responsible party, you must comply with the initial response and abatement action requirements of Title 15A NCAC 2L .0404 and, if applicable, the assessment and reporting requirements of Title 15A NCAC 2L .0405, within the timeframes specified in the attached rules. (Be aware that if the latter rule is applicable, you must comply with its requirements even if you do not receive formal notification from the UST Section.)

Initial abatement action requirements include the preparation and submittal of an Initial Abatement Action (IAA) Report, in accordance with Title 15A NCAC 2L .0404 and the most recent version of the *Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases*, within 90 days of discovery of the release.

Because a release or discharge has been confirmed, a Licensed Geologist or a Professional Engineer, certified by the State of North Carolina, is required to prepare and certify all reports submitted to the Department in accordance with Title 15A NCAC 2L .0103(e) and 2L .0111(b).

Please note that before you sell, transfer, or request a "No Further Action" determination for a property that has not been remediated to below "unrestricted use" standards, you must file a Notice of Residual Petroleum ("Notice") with the Register of Deeds in the county where the property is located (NCGS 143B-279.9 and 143B-279.11).

Failure to comply with the State's rules in the manner and time specified may result in the assessment of civil penalties and/or the use of other enforcement mechanisms.

If you have any questions regarding trust fund eligibility or reimbursement from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds, please contact the

UST Section Trust Fund Branch at (919) 707-8171. If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact me at the address or telephone number listed below.

Sincerely

Clark Wipfield, L.G.

Hydrogeology

Raleigh Regional Office

UST Section, Division of Waste Management, NCDEQ

Enclosures:

Title 15A NCAC 2L .0404 and 2L .0405

A Brief History of North Carolina Session Laws, Rules, and General Statutes...

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Winston-Salem (WS) - 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, (336) 776-9800

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, (336) 641-3771



North Carolina Department of Environment and Natural Resources

Pat McCrory Governor John E. Skvarla, III Secretary

August 21, 2014

CERTIFIED MAIL 70130600000050078322 RETURN RECEIPT REQUESTED

Becky Standridge, Registered Agent Southeast Land Holdings Llc 721 Anchors Bend Cove Lake Wylie, SC 29710

Re:

NOTICE OF VIOLATION OF 15A NCAC 2N .0303(RGS1), .0801(CL1)

Townsends, Inc

1101 East Third Street, Siler City, NC 27344

Chatham County

Facility ID#: 00-0-000032430

Dear Ms Standridge:

On August 11, 2014, I conducted a compliance inspection at the above-referenced facility. I observed that underground storage tanks (USTs) at Townsends, Inc are not in compliance with North Carolina UST regulations (North Carolina Administrative Code [NCAC] 2N "Criteria and Standards Applicable to Underground Storage Tanks). According to those rules (15A NCAC 2N .0203) Southeast Land Holdings Llc is identified as the owner and/or operator of UST(s) at Townsends, Inc.

The following violations of the state rules (15A NCAC 2N) were observed on August 11, 2014 at Townsends, Inc. Following each violation are the actions required to correct the violations:

<u>Violation 1:</u> 15A NCAC 2N .0303 RGS1; Failure to register or update the registration for a UST system as required by federal regulation 40 CFR 280.22 (as incorporated by 15A NCAC 2N .0303).

Corrective Action(s):

Tank owners and operators are required to register their regulated tanks. Please register or update the registration for the UST(s) within 5 working days of receipt of this notice by completing the following form(s):

1) Submit a UST-15 form Change of Ownership of UST systems

Please send the completed UST-8 and/or UST-15 form to the address located on the form and send a copy to the inspector at the address provided in this notice. It is recommended that you also keep a copy for your records.

<u>Violation 2:</u> 15A NCAC 2N .0801 CL1; Failure to permanently close a substandard UST system that has been temporarily closed for more than twelve months, or beyond December 22, 1999, whichever is earlier, according to federal regulation 40 CFR 280.70 (as incorporated by 15A NCAC 2N .0801).

Corrective Action(s):

The Division of Waste Management UST Section has determined that a substandard regulated tank(s) has not been permanently closed. The closure requirements are described in the state's UST regulations.

1) Please complete the requirements for permanent closure in accordance with 15A NCAC 2N .0802 and .0803 and the UST Section Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement.

Within 30 days of receipt of this notice, submit a UST-3 form (Notice of Intent: Permanent Closure or Change-of-Service). Within 30 days following closure, submit a UST-2 form (Site Investigation Report for Permanent Closure or Change-In-Service) along with a UST-12 (Tank Closure Report). Permanent Closure must be completed within 60 days of receipt of this notice. Please note that engineering and geological work must be performed under the supervision of a Professional Engineer (P.E.) or Licensed Geologist (L.G.), and subsequent reports must be signed and sealed by the P.E. or L.G. For information concerning the requirements of engineering or geological work, you may contact the appropriate licensing board.

<u>Comment:</u> Site#0-0-000032430: Contact Clark Wipfield at the Raleigh Regional Office, 919-791-4218 for assistance in permanently closing your tanks.

Inspection Comment: REMOVE PRODUCT FROM DIESEL TANK TO LESS THAN 1 IN. PERMANENTLY CLOSE SUBSTANDARD SYSTEM. TANKS MUST BE REMOVED BECAUSE IMPRESSED CURRENT HAS BEEN OFF FOR MORE THAN 1 YEAR.POWER OFF TO IMPRESSED CURRENT SYSTEM SINCE 2011. NO CORROSION PROTECTION. REMOVE TANKS.REGISTRATION NOT UPDATED. SUBMIT CHANGE OF OWNERSHIP UST15.INSPECTION CONDUCTED IN RESPONSE TO NEIGHBOR COMPLAINT ABOUT FUMES IN HIS BUILDING.

Corrective actions must be completed and reported to the inspector at the address provided within 30 days of receipt of this notice, unless otherwise noted in one of the corrective actions listed above. Assessment of civil penalties may be recommended for violations described in this NOV, as well as, operating permit revocation/denial unless the violations are corrected. If Southeast Land Holdings Llc believes that the inspection findings are in error, or if Southeast Land Holdings Llc has any questions pertaining to this NOV and/or corrective actions please have it contact me at (336) 852-9088 or rose.pruitt@ncdenr.gov.

Sincerely,

Rose Pruitt, Environmental Specialist Division of Waste Management, NC DENR

las Pruits

Enclosures

cc:

Steve Booe w/ Enclosures (electronic)

Files (electronic)

Divider Page

P.O. BOX 686, SILER CITY, NC 27344 . PHONE (919) 663-2200

- Kind of the state of the said

May 28, 1992

RECEIVED

JUN - 3 1992

Mr. Arthur Mouberry, P.E.
North Carolina Department of Environment, Health,
& Natural Resources
Division of Environmental Management
3800 Barrett Drive
Raleigh, N.C. 27609

Raleigh Regional Office

Re: Completion of Groundwater Investigation

Dear Mr. Mouberry:

Attached is a report which presents the findings of the completion of certain tests performed in determining the extent, if any, of groundwater contamination at the Glendale Hosiery Company facility in Siler City, North Carolina. This groundwater investigation report is submitted in compliance with Title 15 of the North Carolina Administrative Code (NCAC), Subchapter 2L.

If there are any questions, please feel free to call me.

Sincerely,

Glenn J. Floyd

Controller

GJF/pk

RECEIVED

JUN - 3 1992

Raleigh Regional Office

Initial Groundwater Investigation

Glendale Hosiery 1200 East Third Street Siler City, North Carolina Facility

Prepared for

Glendale Hosiery Company

May 18, 1992

Thomas Lennon Staff Geologist Bruce K. Braswell, P.G. Senior Hydrogeologist

Brue K. Broswell

ENSCI Corporation 1108 Old Thomasville Road High Point, North Carolina 27260 (919) 883-7505

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7. Conclusions
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Executive Summary

ENSCI Corporation removed four underground storage tanks from the Glendale Hosiery Mills facility in June 1991. In the course of removing the USTs, free petroleum product was discovered in the soil in one excavation and groundwater in another. All impacted groundwater was pumped off, and as much of the soil as possible was excavated and disposed. Soil excavation was impeded, however, by the presence of adjacent structural foundations.

In order to comply with requirements which are stated in the North Carolina Administrative Code, ENSCI was subsequently contracted to conduct an initial soil and groundwater investigation. The purpose of the investigation was to determine the extent of remaining impacted soils and groundwater which were discovered during the removal of underground storage tanks in June 1991.

The initial investigation, which is discussed in this report, included installation of six soil borings/monitoring wells, soil and groundwater sampling, and analysis of sampling data. ENSCI designated two areas of concern for the potential presence of remaining impacted soils and groundwater.

The first area of concern surrounded the excavation of two 15,000-gallon USTs. Analytical results from this area indicate no petroleum contamination in soils or groundwater.

The second area of concern surrounded the excavation of a 5,000-gallon diesel UST. Results of analytical testing of soils in this area using EPA Method 3550 indicate a limited presence of diesel-impacted soils. Only one of three soil borings in the area was indicated to contain diesel, and the detected concentration was relatively low (35 parts per million). Petroleum hydrocarbons were also detected using EPA Method 9071 (for oil and grease), but there is no evidence of a release of such material in the area.

Analytical testing of groundwater samples from monitoring wells in the second area of concern detected no presence of petroleum hydrocarbons. These results indicate that any diesel-impacted soils left in this area are of a limited extent and is not affecting the groundwater.

1. Introduction

1.1 Scope of Work

ENSCI Corporation was contracted to conduct an initial investigation at the Glendale Hosiery Mills facility located at 1200 East Third Street in Siler City, North Carolina. The purpose of the investigation was to determine the extent of remaining impacted soils and groundwater which were discovered during the removal of underground storage tanks in June 1991.

The following steps were implemented between March 19, 1992 and April 2, 1992 to assess the site:

- Installation of six soil borings
- Collection of soil samples from the borings
- Completion of the soil borings as monitoring wells
- Calculation of groundwater flow direction
- Collection of groundwater samples from the monitoring wells
- Analysis of soil and groundwater data to delineate potential contamination plume(s).

This Initial Groundwater Investigation report represents a comprehensive summary of the investigation conducted at the Glendale facility. It is presented in accordance with the requirements of 15A NCAC 2L and guidelines which have been established by the North Carolina Department of Environment, Health & Natural Resources (NCDEHNR).

1.2 Site History

In 1991, ENSCI Corporation was contracted to remove two 15,000-gallon and two 500-gallon underground storage tanks (USTs) located at the Glendale Hosiery Mills facility in Siler City, North Carolina.

On June 4, 1991, prior to the scheduled date of removal, ENSCI was notified of an emergency situation. As a result of high groundwater levels, the two 15,000-gallon tanks had floated up and penetrated the asphalt. ENSCI responded to the emergency by excavating the two 15,000-gallon USTs on June 5. In order to prevent a similar situation from occurring with the two 500-gallon USTs, these tanks were removed on June 6.

Free petroleum product and impacted soils were located in soils and groundwater in the excavations of three of the four USTs (two of which shared one excavation). All free product and as much impacted soil as possible were removed. Soil removal was impeded by nearby structural foundations. The excavations were backfilled with clean fill.

An Underground Storage Tank Closure Assessment Report detailing removal and initial assessment activities was submitted to Glendale Hosiery Mills on November 19, 1991. The report was forwarded by Glendale Hosiery to the NCDEHNR, Division of Environmental Management, Raleigh Regional Office.

On January 22, 1992, Glendale was issued a notice from the NCDEHNR instructing them to comply with the following sections of Title 15A North Carolina Administrative Code (NCAC):

- 15A NCAC 2N .0704 Initial Site Characterization
- 15A NCAC 2N .0705 Free Product Removal
- 15A NCAC 2N .0706 Investigation for Soil and Groundwater Cleanup.

In order to comply with these requirements, Glendale contracted ENSCI to conduct an initial investigation to determine the extent of impacted soil and groundwater which may remain in the two areas in which a release had occurred.

1.3 Site Description and Source Location

The Glendale Hosiery Mills facility is located on 1200 East Third street in Siler City, Chatham County, North Carolina (see Figure 1). It is located on the crest of a rolling hill that slopes gradually down to the southwest. There are no creeks or streams in the immediate vicinity of the impacted areas, although there are some large drainage pipes running north to south under the west side of the parking lot which eventually feed into a small creek across the street on the southwest side of the facility.

Petroleum hydrocarbons from underground storage tanks have impacted two separate areas on the facility. The following areas, where the leaking underground storage tanks were previously located, have been designated areas of concern:

- The alley on the southeast part of the facility where the two 15,000-gallon USTs were located, and
- The southwest side of the building where the 500-gallon diesel tank was removed.

TOPOGRAPHICAL MAP

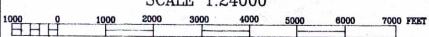
GLENDALE HOSIERY MILLS SILER CITY, NORTH CAROLINA



TAKEN FROM:

USGS SILER CITY, N.C. 7.5 MINUTE QUADRANGLE

SCALE 1:24000





ROAD CLASSIFICATION

HEAVY-DUTY

MEDIUM-DUTY

LIGHT-DUTY

FOOT TRAIL

WGN & JEEP TRACK

UNIMPROVED ROAD

U.S. ROUTE

O STATE ROUTE



GLENDALE HOSIERY MILLS

TOPOGRAPHICAL MAP

SCALE: APPROX 1"=2000"	DWN BY:	FIGURE: 1
DATE: 5/1/92	CK BY:	JOB #: H92035

These areas are illustrated in Figure 2.

2. Geology

2.1 Regional Geologic Units

The 1985 Geologic map of North Carolina indicates that Siler City is located in the central portion of the Carolina Slate Belt. Ancient metamorphic rocks of the Cenozoic Era dominate the province. The map indicates the underlying bedrock lithology in the Siler City area as "Metamudstone and Meta-argillite" (Czmd). The Preliminary Explanatory Text for The 1985 Geologic Map of North Carolina describes this unit as "metamudstone and meta-argilite interbedded with metasandstone, metaconglomerate, and metavolcanic rock". The map showed no major structural features in the area of study.

2.2 Site Soils and Geology

Field observations made during monitoring well installation indicated that the site is underlain by an argillaceous saprolitic soil and indurated by multiple stringers of metavolcanic chert or metamorphosed arkosic rock. The saprolite has developed in situ as a result of chemical and physical weathering of the surrounding rock types. Additional descriptions of the soil and geology of the site are available in the Field Drilling Records, which are included in Appendix A. The AGI Data Sheets 36.1 thur 38.2 were utilized as a guideline for all geologic descriptions.

3. Monitoring Well Locations

Before installing monitoring wells, ENSCI obtained the necessary well construction permit from the NCDEHNR. The permit is included in Appendix B.

As seen in Figure 2, a total of six monitoring wells were installed at the Glendale Hosiery facility. Three monitoring wells were installed in each of the two areas of concern. These wells were placed in a triangular configuration surrounding each area where impacted soil and groundwater had been observed. In order to delineate the extent of potentially affected groundwater, one well was located hydraulically upgradient, while the other two were located hydraulically downgradient. Well locations were chosen based on site topography and estimated groundwater flow direction (see Section 1.3).

Three monitoring wells, MW-1, MW-2, and MW-3, were installed on the southeast side of the facility in order to delineate the extent of impact which may have remained from releases originating from the two previously existing 15,000-gallon USTs. One tank had contained #6 fuel oil, and the other had contained diesel fuel. With respect to the suspected source area, monitoring well MW-1 is in a hydraulically upgradient position and monitoring wells MW-2 and MW-3 are in a hydraulically downgradient position. Due to the confining conditions of the alley, all three wells are in the immediate vicinity of the area of concern.

Monitoring wells MW-4, MW-5, and MW-6 are located on the southwest side of the facility around the excavation for the previously existing 500-gallon UST. This UST had been used to store diesel fuel. Monitoring well MW-6 is located hydraulically upgradient of the excavation, while MW-4 is located in a hydraulically downgradient position. MW-5 is located immediately next to the excavation (i.e., neither upgradient nor downgradient). Monitoring wells were installed using the drilling procedures described in Appendix C. Boring logs and well construction records are included in Appendix A.

4. Groundwater Flow Direction

ENSCI utilized a computer model called WaterVel marketed by InSitu, Inc. in Laramie, Wyoming to calculate the direction of groundwater flow. The WaterVel program provides a least square fit to a plane (the groundwater table), provided that the program is supplied with a minimum of three well points with known elevations.

To collect data for the calculation, a site survey was generated for ENSCI by Mark Terry and Associates of Archdale, North Carolina. The survey provided the X, Y, and Z coordinates for monitoring wells on site. The X and Y coordinates were based on a temporary local grid system developed for the Glendale site, with a positive Y axis parallel to the calculated north bearing. The southeast corner of the top of a stairway landing on the southwest side of the facility provided a relative survey elevation control (Z axis).

To run the WaterVel program, ENSCI created a data file that consists of data triplets. The triplets were composed of the X and Y coordinates of the various wells (which were calculated during the survey), and Z data consisting of potentiometric head elevations for the various wells with respect to benchmark elevation. The potentiometric head measurements used to generate the Z data were obtained using a water level rule manufactured by Solinst Canada Ltd. This water rule is graduated in 10ths of a foot and

has an electric probe on the end of the tape, which connects to an audible indicator used to locate the water level.

All water level data used to calculate the direction of groundwater flow was generated during measurements taken on March 30, 1992. Table 1 presents the monitoring well elevation and static water level data utilized to calculate the groundwater flow direction. The depth to groundwater data was collected without any well development.

Table 1 Static Water Level Data

Data Collected March 30, 1992

Monitoring Well Number	Well Head Elevation (feet)	Depth To Groundwater (feet)	Static Water Level Elevation (feet)
MW-1	100.36	2.00	98.36
MW-2	100.01	2.50	97.51
MW-3	99.94	2.10	97.84
MW-4	97.85	4.00	93.85
MW-5	97.42	3.60	93.82
MW-6	97.63	4.00	93.63

Based on these calculations, the direction of groundwater flow lies at a compass bearing of 258.5 degrees (west to southwest). It is illustrated in Figure 3. The initial estimation of groundwater flow direction (based on surface topography) which was used to plan monitoring well locations is in reasonable agreement with this calculation.

5. Soil Investigation

5.1 Initial Discovery of Impacted Soils

Petroleum hydrocarbon-impacted soils were detected in June 1991 during the excavation and removal of the two 15,000-gallon USTs (which contained #6 fuel oil and diesel) and one 500-gallon UST (which contained diesel).

Approximately 172 cubic yards of impacted soils were removed from the two excavations. The removal of additional impacted soil was terminated due to foundations and walls immediately adjacent to both excavations. Visible and analytical evidence indicated that some impacted soils remained in the excavations.

5.2 Investigation for Remaining Impacted Soils

In order to determine the extent of remaining soil contamination, samples were collected during the boring activities associated with the installation of the monitoring wells (see Section 3). Split spoon soil samples were collected at 5-foot intervals during soil boring using the methods described in Appendix C. These samples were screened with a properly calibrated Foxboro Model 128 Organic Vapor Analyzer (OVA). Corresponding head space readings are recorded in the boring logs contained in Appendix A.

The sample from each boring which exhibited the highest OVA reading or was closest to the groundwater table was collected for analysis under EPA methods 5030, 3550 and 9071. Table 2 lists all soil samples collected for analysis and the corresponding analytical results. Copies of the original analytical reports are included in Appendix D.

Table 2
Soil Sample Analytical Data

Samples Collected April 21, 1992

Sample Location	Sample Depth	EPA 5030 (TPFH)	EPA 3550 (TPH)	EPA 9071 HEAVY OIL
MW-1	5 feet	<10 ppm	<10 ppm	<10 ppm
MW-2	5 feet	<10 ppm	<10 ppm	<10 ppm

Sample Location	Sample Depth	EPA 5030 (TPFH)	EPA 3550 (TPH)	EPA 9071 HEAVY OIL
MW-3	No Recovery	No Data	No Data	No Data
MW-4	5 feet	< 10 ppm	< 10 ppm	490 ppm
MW-5	5 feet	<10 ppm	35 ppm	78 ppm
MW-6	5 feet	<10 ppm	<10 ppm	<10 ppm

As illustrated in Table 2, results from the analytical testing of the samples from the borings completed as monitoring wells MW1 and MW2 (see Figure 2) indicated no petroleum contamination in the area around the previously existing 15,000-gallon USTs.

Samples collected from the borings completed as MW4, MW5, and MW6 (see Figure 2) were used to assess the area surrounding the previously existing 500-gallon diesel UST. When tested with EPA Method 3550, the standard testing procedure for detection of diesel fuel, the soil sample from monitoring well boring MW-5 indicated 35 parts per million. Samples from the other borings revealed no detection of diesel contaminants.

Under EPA Method 9071, which is the standard test for detection of oil and grease, the samples from MW4 and MW5 indicated the presence of petroleum hydrocarbons. Since there is no indication of a release of oil or grease in the area around the 500-gallon diesel UST, these levels may be attributable to naturally occurring organic material or the location of a nearby sewage line. It is common, using this analytical method, to receive results which are affected by such sources.

6. Groundwater Investigation

6.1 Initial Discovery of Impacted Groundwater

Petroleum hydrocarbon-contaminated groundwater was detected in June 1991 during the excavation and removal of the two 15,000-gallon USTs (which contained #6 fuel oil and diesel).

Approximately 3,000 gallons of water and oil (in the form of free-floating product) were removed from the excavation using a vacuum truck. The liquid which could not be

pumped using the vacuum truck was removed using oil sorbent pads. There was no visible evidence that impacted groundwater remained at the time the excavation was backfilled.

6.2 Investigation for Remaining Impacted Groundwater

On April 2, 1992, forty-eight hours after development, all of the monitoring wells at the Glendale facility were purged and sampled for groundwater contamination. These samples were sent to AnalytiKEM, an EPA-approved laboratory. The samples were tested using EPA methods 602 + xylene and 625.

Analytical results, which are included in Appendix D, indicated no presence of any compounds associated with petroleum-contaminated groundwater in either of the two impacted areas. The only detectable compounds, Bis(2-ethylhexyl) Phthalate and Dibutyl Phthalate, are associated with common plasticizer in the latex gloves utilized during sampling procedures.

7. Conclusions

Results of the initial groundwater investigation at the Glendale Hosiery Mill indicate that there is no groundwater contamination at the site and that soil contamination is of a limited extent and not affecting groundwater.

In the vicinity of the excavation of the two 15,000-gallon USTs, soils and groundwater were sampled during and after installation of monitoring wells MW1, MW2, and MW3. Analytical results indicate no petroleum contamination.

In the vicinity of the excavation of the 5,000-gallon diesel UST, monitoring wells MW4, MW5, and MW6 were installed. Results of analytical testing of soils indicate diesel contamination of a limited extent. Petroleum hydrocarbons were also detected using EPA Method 9071 (for oil and grease), but there is no evidence of such a release in the area.

Analytical testing of groundwater samples from these monitoring wells detected no petroleum contamination. These results indicate that any diesel contamination left in the soil is of a limited extent and is not affecting the groundwater.

A Site Sensitivity Evaluation, included in Appendix E, was completed for the Glendale facility. It indicates that the site is near the "least sensitive" end of the scale, which measures sensitivity to groundwater contamination by the release of petroleum-related

substances. According to the document "Guidelines for Remediation of Soil Contaminated By Petroleum," which was published by the NCDEHNR in August 1990, the existing levels of petroleum hydrocarbons under Method 3550 will not require remediation.

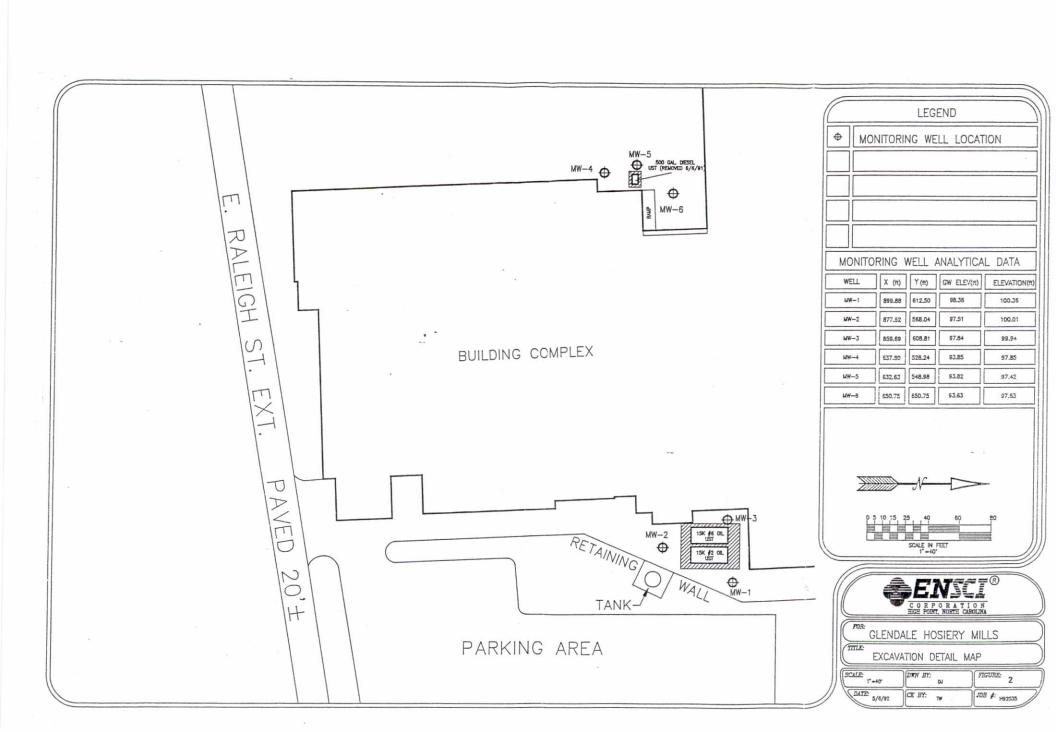
Based on all available field observations and analytical results, ENSCI recommends no further remedial action at this site.

8. References

Geologic Map of North Carolina, 1985 Scale 1:500,000 North Carolina Geologic Survey

Preliminary Explanatory Text for the 1985 Geologic Map of North Carolina Contractual Report 88-1 (in draft), pp. 52 North Carolina Geologic Survey

AGI Data Sheets American Geological Institute Third Edition sheets 36.1 - 38.2





DATEApril 2, 1992 FIELD PERSONNELKevin Cranford FACILITY NAME Glendale Hosiery EPA ID NO
WELL ID NO. MW1
■ UPGRADIENT □ DOWNGRADIENT
WEATHER CONDITIONS RAINY/CLEAR/VINDY/PARTLY CLOUDY/VARIA/HOT AIR TEMPERATUREF
TOTAL WELL DEPTH (TWD) 26.0 1/100 ft
DEPTH TO GROUNDWATER (DGW) 2.52 1/100 ft
LENGTH OF WATER COLUMN (LWC) = TWD - DGW = 23.48
1 CASING VOLUME (OCV) = LWC X .163 = 3.8 gal
3 CASING VOLUMES = 11.38 GAL = STD EVACUATION VOLUME
METHOD OF WELL EVACUATION SUBMERSIBLE PUMP/GEL T BALLER/B-K PUMP
METHOD OF SAMPLE COLLECTION DEDICATED T BALLER/B-K BALLER
TOTAL VOLUME OF WATER REMOVED 5 gal

CASING DIAME	TER	⊠ 2 :	NCHES	5 □4	INCHES	
CASING MATER			☐ TEF	LON S	TEEL	
MEASURING PO					1/100 ft	Ē
WATER TABLE					1/100 f	t
pH/SPECIAL C				L (DATE/TI	ME)	-
pH BUFFER S						-
STEEL GUARD	PIPE A	ROUND	CASIN	IG	☐ YES ⊠NO	-
LOCKING CAP_					MO EET ∑	
PROTECTIVE A	BUTMEN	VT			TES XNO	
WELL INTEGRI	TY SATI	SFACTO	RY		YES □NO	
WELL YIELD		N TOL	MEDIU	M HIGH		
	C	ONTAIN	ERS			
PERSONNEL	DATE	TIME	NO. TY	PE PERSERY	PARAMETER	

(FIELD ANALYSIS) VOLUME PURGED (GAL) TIME (MILITARY) pH (S.U.) CONDUCTIVITY WATER TEMP (C) TURBIDITY (SUBJECTIVE)* ODOR (SUBJECTIVE)**

1	2	3	4	5	
l gal	2 ga1	3 ga1	4 gal	5 ga1	
1025	1030	1035	1040	1045	
6.6	6.7	6.8	6.8	6.8	
22.6	22.8	22.8	22.8	22.8	
4	4	4	4	4	
1	1	1	1	1	

* (1) clear (2) zlight (3) moderate (4) high ** (1) none (2) faint (3) moderate (4) high



		,
])ATEApril 2, 1992	
]	TELD PERSONNEL Kevin Cranford	
]	FACILITY NAME Glendale Hosiery	
]	EPA ID NO. MW2	
7	VELL ID NO	
	☐ UPGRADIENT ► DOWNGRADIENT	
1	VEATHER CONDITIONS RAINY/GLEAR/FINDT/PARTLY GLOUDY/TARM/BOT	
	AIR TEMPERATUREF	
,	OTAL WELL DEPTH (TWD) 20.5 1/100 ft	Ĺ
]	DEPTH TO GROUNDWATER (DGW) 9.3 1/100 f	
]	ENGTH OF WATER COLUMN (LWC) = TWD - DGW = 11 .	Z t
	CASING VOLUME (OCV) = LWC $X_{.163}$ = 1.8 ga	ıl
	CASING VOLUMES = 5.4 GAL = STD EVACUATION VOLUME	
	METHOD OF WELL EVACUATION SUBMERSUBLE PUMP/GEL T BALLER/B-K PUMP	
	METHOD OF SAMPLE COLLECTION DEDICATED T BALLER/B-K BALL	
i	COTAL VOLUME OF WATER REMOVED5.5 ga	1

CASING DIAME	TER	2 I	NCHE	S	□4 I	NCHES
CASING MATER	IAL 🛛 P	VC !	□ TE	FLON	STE	EEL
MEASURING PO	INT ELE	VATIO	N (MS	SL)		1/100 ft
WATER TABLE	ELEVATIO	N (M	SL)			1/100 ft
pH/SPECIAL C	NOTTION	MET	ER C	AL (D	ATE/TIM	E)
PH BUFFER SO	DLUTION	USED				
STEEL GUARD	PIPE AR	OUND	CASI	NG		☐ YES NO
LOCKING CAP_						MO IND
PROTECTIVE AL	BUTMENT					TES NO
WELL INTEGRIT	Y SATISI	FACTO	RY _			X TES NO
WELL YIELD		⊠ wr	- DIE	MUM	☐ HICH	
	CON	ITAINI	ERS)		
PERSONNEL	DATE	TIME	NO.	TYPE	PRESERV	PARAMETER

(FIELD ANALYSIS)

VOLUME PURGED (GAL)
TIME (MILITARY)
pH (S.U.)
CONDUCTIVITY
WATER TEMP (C)
TURBIDITY (SUBJECTIVE)*
ODOR (SUBJECTIVE)**

1	2	3	4	5		
1 gal	2 gal	3 gal	4 gal	5 gal		
					p.	
6.7	6.6	6.7	6.6	6.6		
22.7	22.7	22.7	22.8	22.7		
4	4	4	4	4		
1	1	1	1	1		

* (1) clear (2) slight (3) moderate (4) high

= (1) none (2) faint (3) moderate (4) high



DATEApril 2, 1992
FIELD PERSONNEL Kevin Cranford
FACILITY NAME Glendale Hosiery
EPA ID NO
WELL ID NO
☐ UPGRADIENT ☑ DOWNGRADIENT
WEATHER CONDITIONS RAINY/CLEAR/VINDY/PARTLY CLOUDY/VARM/HOT
AIR TEMPERATUREF
TOTAL WELL DEPTH (TWD) 10.6 1/100 ft
DEPTH TO GROUNDWATER (DGW) 6.1 1/100 ft
LENGTH OF WATER COLUMN (LWC) = TWD - DGW =4.5 ft
1 CASING VOLUME (OCV) = LWC $X_{163} = .7335$ gal
3 CASING VOLUMES = 2.205 GAL = STD EVACUATION YOURS
METHOD OF WELL EVACUATION SUBMERSHEE PUMP/GEL T BAILER/B-K PUMP
METHOD OF SAMPLE COLLECTION DEDICATED T BALLER/GEL T BALLER/B-K BALLER
TOTAL VOLUME OF WATER REMOVED 1.5 gal

CASING DIAME	TER 🗵	2 INC	HES	□4]	NCHES			
CASING MATER	IAL 🗷 PVC		TEFLON	□ STI	EEL			
MEASURING PO	DINT ELEVA	TION	(MSL)		1/100 ft			
WATER TABLE	ELEVATION	(MSL)) / <u> </u>		1/100 ft			
pH/SPECIAL C				ATE/TIM	Œ)			
pH BUFFER SO			(1					
STEEL GUARD			ASTNG		TE NO			
LOCKING CAP	1111 11100	/11D 01	ibii u		X YES NO			
PROTECTIVE AL	BUTMENT				☐ TES ⊠NO			
	WELL INTEGRITY SATISFACTORY							
WELL YIELD	⊠ :	LOT	MEDIUM	☐ HIGH				
	CONTA	MERS	3					
PERSONNEL	DATE TO	E NO.	TYPE	PRESERV	PARAMETER			
(

FIELD ANALYSIS

VOLUME PURGED (GAL) TIME (MILITARY)

pH (S.U.)

CONDUCTIVITY

WATER TEMP (C)

TURBIDITY (SUBJECTIVE)*

ODOR (SUBJECTIVE)**

1	2	3		
.5	1.0	1.5		
1105	1110	1115		
6.6	6.7	6.6		
22.6	22.6	22.6		
4	4	4		
1	1	1		

* (1) clear (2) slight (3) moderate (4) high ** (1) none (2) faint (3) moderate (4) high



DATE April 2, 1992 FIELD PERSONNEL Kevin Cranford FACILITY NAME Glendale Hosiery EPA ID NO. MW4	
☐ UPGRADIENT ☑ DOWNGRADIENT	
WEATHER CONDITIONS PAINT/CLEAR/VINDY/PARTLY CLOUDY/VARM/BOT AIR TEMPERATURE F TOTAL WELL DEPTH (TWD) 15.7 1/100 ft DEPTH TO GROUNDWATER (DGW) 4.38 1/100 ft LENGTH OF WATER COLUMN (LWC) = TWD - DGW =11.3 1 CASING VOLUME (OCV) = LWC X.163 = 1.845 gs 3 CASING VOLUMES = 5.5 GAL = STD EVACUATION VOLUME METHOD OF WELL EVACUATION SUBMERSIENT PUMP/GEL T BAILER/B-K PUMP METHOD OF SAMPLE COLLECTION DEDICATED T BAILER/GEL T BAILER/B-K BAIL	al
TOTAL VOLUME OF WATER REMOVED 1.5 ga	1

CASING DIAME	TER	2 2 I	NCH	ES	□4:	INCHES
CASING MATER		VC	_ T	EFLO	N ST	EEL
MEASURING PO	INT ELF	EVATIO	N (1	MSL)		1/100 ft
WATER TABLE	ELEVATI	ON (M	SL)			1/100 ft
pH/SPECIAL C	ONDITION	N MÈT	ER	CAL (DATE/TIM	Æ)
pH BUFFER SO						
STEEL GUARD	PIPE AF	ROUND	CA	SING-		☐ YES ⊠NO
LOCKING CAP_						X YES NO
PROTECTIVE AL	BUTMEN	Γ				TES TONO
WELL INTEGRIT	Y SATIS	FACTO	RY			NO EXT
WELL YIELD		X LOT		MUIDIUM	☐ HIGH	
	CO	NTAINI	ERS			
PERSONNEL	DATE	TIME	NO.	TYPE	PERSON	PARAMETER

FIELD ANALYSIS

VOLUME PURGED (GAL)

TIME (MILITARY)

PH (S.U.)

CONDUCTIVITY

WATER TEMP (C)

TURBIDITY (SUBJECTIVE)*

ODOR (SUBJECTIVE)**

1	2	3	
.5 gal	1.0 gal	1.5 gal	
1130	1135	1140	
6.7	6.6	6.6	
22.6	22.7	22.7	
4	4	4	
1	1	1	

* (1) clear (2) slight (3) moderato (4) high

* (1) name (2) faint (3) moderate (4) high



DATEApril 2, 1992
FIELD PERSONNEL Kevin Cranford
FACILITY NAME Glendale Hosiery
EPA ID NO
WELL ID NO. MW5
☐ UPGRADIENT ☑ DOWNGRADIENT
WEATHER CONDITIONS RAINY/CLEAR/WINDT/PARTLY CLOUDY/WARM/BOT
AIR TEMPERATUREF
TOTAL WELL DEPTH (TWD) 14.6 1/100 ft
DEPTH TO GROUNDWATER (DGW) 6.12 1/100 ft
LENGTH OF WATER COLUMN (LWC) = TWD - DGW =8.4gt
LENGTH OF WATER COLUMN (LWC) = TWD - DGW = 8.4 ft 1 CASING VOLUME (OCV) = LWC X .163 = 1.38 gal
3 CASING VOLUMES = 4.14 GAL = STD EVACUATION VOLUME
METHOD OF WELL EVACUATION SUBMERSHEE PUMP/CRL T BAILER/B-K PUMP
METHOD OF SAMPLE COLLECTION DEDICATED T BALLER/GEL T BALLER/B-K BALLER
TOTAL VOLUME OF WATER REMOVED 3 gal

CASING DIAME	TER 🛛 2	INCHES	□ 4]	NCHES
CASING MATER			STI	EEL
MEASURING PO		\ /		1/100 ft
WATER TABLE				1/100 ft
pH/SPECIAL C	ondition m è	TER CAL (D	ATE/TIM	Œ)
pH BUFFER SO	DLUTION USE	D		
STEEL GUARD				☐ YES XNO
LOCKING CAP				X YES []HO
PROTECTIVE A	BUTMENT			TES NO
WELL INTEGRIT	Y SATISFACT	ORY		X YES _NO
WELL YIELD	🔀 LOT	MEDIUM	☐ EUGH	
	CONTAIN	VERS		
PERSONNEL	DATE TIME	NO. TYPE	PRESERV	PARAMETER
			*	

FIELD ANALYSIS

VOLUME PURGED (GAL) TIME (MILITARY) pH (S.U.) CONDUCTIVITY

WATER TEMP (C)TURBIDITY (SUBJECTIVE)* ODOR (SUBJECTIVE)**

1	2	3		
1 gal	2 gal	3 gal		
1135	1140	1145		
6.6	6.7	6.7		
22.6	22.7	22.6	,	
4	4	4		
1	1	1		

* (1) clear (2) slight (3) moderate (4) high ** (1) none (2) faint (3) moderate (4) high



DATEApril 2, 1992
FIELD PERSONNEL Kevin Cranford
FACILITY NAME Glendale Hosiery
EPA ID NO
WELL ID NO. MW6
☑ UPGRADIENT □ DOWNGRADIENT
WEATHER CONDITIONS RAINY/CLEAR/VINUT/PARTLY CLOUDY/VARM/BOT
AIR TEMPERATUREF
TOTAL WELL DEPTH (TWD) 13.6 1/100 ft
DEPTH TO GROUNDWATER (DGW) 4.84 1/100 ft
LENGTH OF WATER COLUMN (LWC) = TWD - DGW = 8.7 ft 1 CASING VOLUME (OCV) = LWC X.163 = 1.427 gal
1 CASING VOLUME (OCV) = LWC X.163 = 1.427 gal
3 CASING VOLUMES = 4.28 GAL = STD EVACUATION TOLUME
METHOD OF WELL EVACUATION SUBMERSIBLE PUMP/GEL T BALLER/B-K PUMP
METHOD OF SAMPLE COLLECTION DEDICATED T BALLER/DE T BALLER/DE BALLER
TOTAL VOLUME OF WATER REMOVEDgal

CAS	SING	DIAM	ETER	× 2	INC	HES	□ 4	INCHES
CAS	SING	MATE	RIAL 🔀	PVC		TEFLO	N □S'	TEEL
MEA	ASUF	RING I	POINTE	LEVATIO)N (MSL)		1/100 ft
			ELEVA					1/100 ft
pH/	/SPE	CIAL	CONDITI	ON ME	ER	CAL	(DATE/T	ME)
pH	BUF	FER	SOLUTIO	N USEI)			
STE	EL	GUARI) PIPE	AROUNI	CA	ASING-		☐ YES XNO
LOC	KIN	G CAP						פא 🗆 פאד
PRO	TEC	TIVE .	ABUTME	NT			•	☐ TES MO
WEI	T I	VTEGR	ITY SAT	ISFACTO	DRY			X TES _NO
WEI	L Y	IELD _		🔀 10T		MADICAR	☐ HICH	
				CONTAIN	ERS			
_	PERSON	NEL	DATE	TIVE	NO.	TIPE	PRESERV	PARAMETER

VOLUME PURGED (CAL)
TIME (MILITARY)
pH (S.U.)
CONDUCTIVITY
WATER TEMP (C)
TURBIDITY (SUBJECTIVE)*
ODOR (SUBJECTIVE)**

FIELD ANALYSIS

1	2	3		
.5 gal	1.0 gal	1.5 gal		
6.8	6.7	6.8		
			-	
22.6	22.7	22.6		
4	4	4		
1	1	1		

* (1) clear (2) slight (3) moderate (4) high

** (1) none (2) faint (3) moderate (4) high

Introduction

ENSCI Corporation contracted with Glendale Hosiery Mills (Glendale) to remove two 15,000-gallon and two 500-gallon underground storage tanks at their active facility in Siler City, North Carolina. Work was scheduled to begin July 10, 1991. Notification forms (see Appendix A and B) were submitted to the North Carolina Department of Environment, Health and Natural Resources (NCDEHNR) in preparation for this action. /

On June 4, Troy Hancock of Glendale informed ENSCI that the two 15,000-gallon USTs had, because of high groundwater levels, floated up and penetrated the asphalt above, creating an emergency situation. ENSCI immediately notified the NCDEHNR.

In an emergency response action which began June 5, ENSCI excavated the two 15,000-gallon tanks that represented the emergency. When Glendale expressed concern that the two 500-gallon tanks for which ENSCI had contracted could penetrate the asphalt, these tanks were also removed, along with all visibly contaminated soil and groundwater in the excavations

Before and during tank removal, ENSCI utilized an L.E.L. Toxic Vapor Meter and an Organic Vapor Analyzer (Foxboro Model Century 128 OVA) to conduct basic sample screening associated with the closure of USTs.

Tank Number	Capacity	Tank Construction	Contents	Tank Status	
1, ,	15,000 gal	Steel	No. 6 Fuel Oil	Removed	
2	15,000 gal	Steel	Diesel	Removed	
3	500 gal	Steel	Diesel	Removed	
4	500 gal	Steel	Gasoline	Removed	

Removal of Tanks #1 and #2

Prior to the removal of tanks #1 and #2, 300 gallons of residual product (#6 diesel fuel) was removed from the tanks. The fuel was recovered by ENSCI.

Tanks #1 and #2 were removed and transported by Safeway Tank Disposal, Inc. (see Appendix C) and disposed of at the Safeway facility in accordance with API 1604 (1987), Removal and Disposal of Used Underground Petroleum Storage Tanks. A Site Investigation Report for Permanent Closure of USTs is included in Appendix I.

Remediation of Contaminated Water and Soil

Free-floating black oil was observed by the ENSCI Project Manager in the groundwater in the excavation pits of tank #1 and #2. After Glendale representatives were notified, a vacuum truck was used to remove 3,000 gallons of water and oil. The contaminated groundwater was sampled using EPA methods 9070, 3550, and 602 (plus xylene), and the mixture was disposed of at the Environmental Compliance Corporation facility in Winston-Salem. Test results are included in Appendix E.

After the water/oil mixture was removed, soil within the excavations was observed to be contaminated. A total of 201 tons of visually contaminated soil was excavated and staged on 30 mil poly sheeting. The staged soil was sampled and analyzed in accordance with EPA Methods #9071 and #3550 and tested for TCLP - Metals. Tests indicated a heavy oil contamination level at 2,380 ppm and total petroleum hydrocarbons at 50 ppm. Stockpiled soils were transported to the Cherokee Sanford Group, Inc. facility in Gulf, North Carolina. Analytical data is included in Appendix D and F, and soil manifests are included in Appendix H.

Because Tanks #1 and #2 were installed side-by-side, they shared one excavation area. All visually contaminated soils which could be safely excavated were removed, leaving an excavation 25-feet by 50-feet, 14 feet deep. Due to structural foundations and walls immediately adjacent to the excavation on three sides, some soils could not be removed.

The excavation was backfilled with compacted, clean 2-inch stone in 2-foot lifts up to 1 foot from grade level or the asphalt surface. The remaining 1-foot lift was filled with compacted (crush and run) ABC rock. No soils were used as backfill in the excavation, since stone provides maximum efficiency for any groundwater monitoring or recovery systems

that may be required. As an added benefit, the stone backfill ensures maximum structural stability of the building adjacent to the excavation.

Probable Sources of Contamination

No leaks were observed in either Tank 1 or #2, but approximately 20 gallons of free-floating product were present in the excavations (see site sketch, Appendix G). It is probable that the USTs leaked at the piping connections at the top of the tanks, which may have been damaged when the tanks hit the asphalt above them.

Removal of Tanks #3 and #4

When Tank #3 was excavated, the 500-gallon diesel, tank was found to have leaked from several small pin holes at the bottom of the tank. The holes appeared to have been caused by corrosion. Diesel fuel had contaminated the soil immediately adjacent to the UST, and it was necessary to excavate five cubic yards of the soil. This soil was disposed of at the Cherokee Sanford facility along with the soil from the excavation of Tanks #1 and #2. Again, the amount of soil that could be safely removed was limited by the building located adjacent to the UST. The 5-cubic-yard excavation pit was backfilled with #57 stone.

Tank #4, the other 500-gallon tank, was formerly used to store gasoline. It was excavated and disposed of on June 6. This UST showed no indications of leaking, and all soil analysis tests were negative (see Appendix D). The tank was disposed of at Mid East Industrial in Carthage, North Carolina, and the excavation was backfilled. Certificates of disposal for Tanks #3 and #4 are included in Appendix C.

Conclusion

ENSCI's initial site characterization and free product removal indicate the need for further study. Determination of vertical

and lateral extent of contamination in accordance with 40 CFR 280.65 is recommended to determine an appropriate course of action.

ENSCI Corporation

Juny, Ml. Bavener_

Henry M. Havener

LAW & COMPANY Consulting and Analytical Chemists

ESTABLISHED 1903

Main Office 1711 Castle Street P.O. Box 629 Wilmington, N.C. 28402

REPORT DATE:

7-19-91

919-762-7082 919-762-8956 FAX 919-762-8785

ENSCI INC.

1108 OLD THOMASVILLE ROAD HIGH POINT, N.C. 27263

DATE RECEIVED:

6-20-91

COLLECTED BY:

DATE COLLECTED: 6-17-91

LAB I.D. #

CUSTOMER EW 7759

SAMPLE DESCRIPTION:

SOIL - GLENDALE MILLS

TESTS/SAMPLES	UNITS	STOCK PILE
HEAVY OIL	PPM	2,380
TOTAL PETROLEUM HYDROCARBON	PPM	50
TCLP - METALS:		
ARSENIC	PPM	0.032
BARIUM	PPM	0.83
CADMIUM	PPM	<0.01
CHROMIUN	PPM	<0.02
LEAD	PPM	<0.05
MERCURY	PPM	<0.002
SELENIUM	PPM	0.016
SILVER	PPM	<0.01

EPA METHOD # 9071 HEAVY OIL

EPA METHOD # 3550 GAS CHROMATOGRAPH (TPH)

LABORATOR DIRECTOR

NEVESTULL HU. 1 1) (11 7 ENVIRONMENTAL SERVICE DIVISION

		CEIPT FOR	SAMPLES		GEORGIA 30613							
PROJ. N	0.	PROJE	CTN	AME	ENSCI	Carporation	Name of Facility/Site Gladale Mills					
,				610	ndale	Mills			. 			
SAMPLE												
	Her	ny	4	avi	nei		Facility/Site	Location				
Split Sair	Split Samples Offered () Accepted () Declined							Siter City				
						cepted () Declined						
SIA NO	SPLIT				SPLIT SAMPLES	TAG NUMBERS		STATION DESCRIPTION	NO OF CON- TAINERS	REMARKS		
	6-17-91			V			5	bock Pile	1	8 RCRA Metals		
	6-17-91			٧				Stock Pile	111	9071 Oil & Gregge		
	6-17-41			V				Stock Pile.		EPA Method 3550		
								<u> </u>				
			_	_						-		
				_		1						
Transle	rred by:	Signatu	re)	,				Received by (Signature)		Telephone		
	i	Here	y	H	avere	jer. 1		Sihand Crowell				
Date		•	U			interior de la companya della companya della companya de la companya de la companya della compan		Title	Date	Time		
	6-19-91 140					140	90	•	6/20/71	0137		

Po # 30431

LAW & COMPANY Consulting and Analytical Chemists

ESTABLISHED 1903

1711 Castle Street • P.O. Box 629 • Wilmington, North Carolina 28402 Telephones (919) 762-7082 or (919) 762-8956 FAX (919) 762-8785

CHAIN OF CUSTODY RECORD

CUCTON	IFD. F. A	\neg	DDO IE	CT ID:		014	7/1			
CUSTON	MER: ENSCE CORP.		Phose	UT 10.	5	110	36 A			
SAMPLE	RS (Signature)						-			
SAMPLE NUMBER	SAMPLE LOCATION	DATE	TIME	WA	MPLE TY TER GRAB	SOIL	NO. OF CONT.	AN	ALYSIS	REQUIRED
6m41	CLENDALE Mills (CASSINE TANK)	6/6	2:39m			~	1	EPA	METH	000 5030
em # 2	CLENDALE MILLS (GASOLINE TANK)	4/6	1:45 cm			~	1	EPA 11	פאיז שני	<i>5030</i>
6m 3	CLENDALE MITTS (DIESEL TANK)	6/6	7:55 pm			/	1	EPA M	עאודש	3550
6m #4	GLENDALE MILLS (DIESEL TANK)	6/6	3:00pm			~	/	EPA M	ETHOS	3530
	* NOTE:									
	DIESEL TANK - BOOGLS									1
	GASOLINE TANK - 500 625									
					_					
Railingu	Ished by: (Signature) If Bekin	Receiv	red by: (S	ignatu	ra)					Date/Time
Relinquished by: (Signature)		Received by: (Signature)								Date/Time
Relinquished by: (Signature)		Received by: (Signature)							Date/Time	
Methods of Shipment		Received for Laboratory by:							Date/Time	
Conditio	Remark	ks:								

Law & Company Consulting and Analytical Chemists

ESTABLISHED 1903

Main Office 1711 Castle Street P.O. Box 629 Wilmington, N.C. 28402

REPORT DATE: 6-14-91

919-762-7082 919-762-8956 FAX 919-762-8785

ENSCI INC.

1108 OLD THOMASVILLE ROAD HIGH POINT, N.C. 27263

DATE RECEIVED:

6-12-91

DATE COLLECTED: 6-06-91

COLLECTED BY: LAB I.D. #

R.B. EW 7336

PO# 30431

SAMPLE DESCRIPTION:

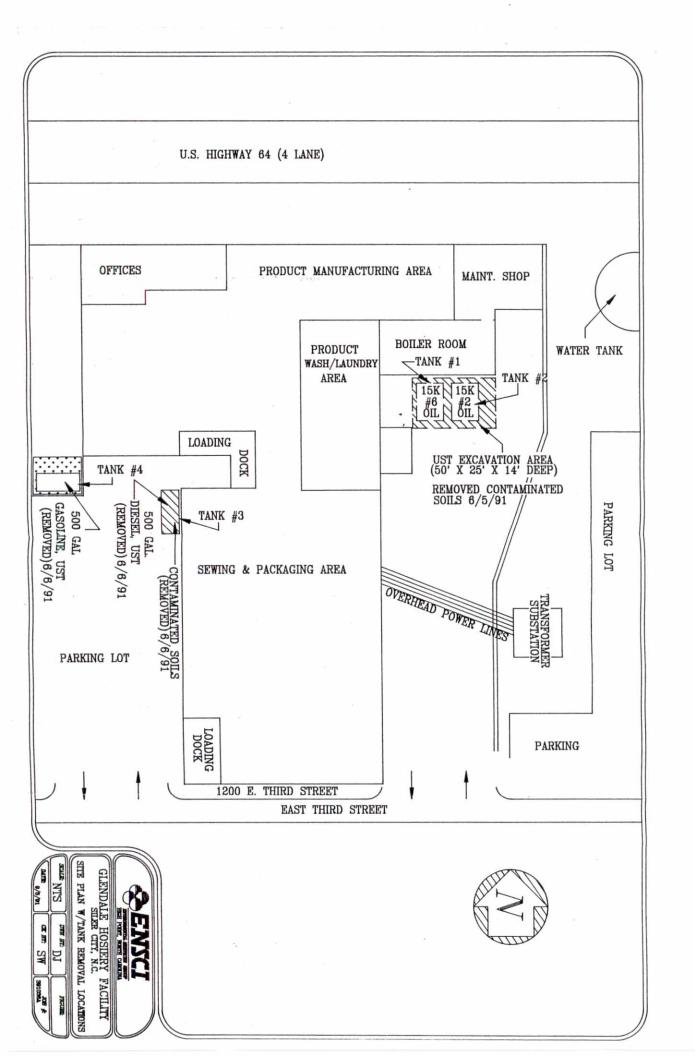
SOIL PROJECT I.D. # S91036A GLENDALE MILLS

TESTS/SAMPLES	UNITS	GM# I	GM# 2	GM# 3	GM#4	
TOTAL PETROLEUM FUEL HYDROCARBON	PPM	< 10%	< 10*			
TOTAL PETROLEUM HYDROCARBON	PPM			300	540	

EPA METHOD # 5030 GAS CHROMATOGRAPH (TPFH) EPA METHOD # 3550 GAS CHROMATOGRAPH (TPH)

DETECTION LIMITS = 10 PPM

* BELOW DETECTION LIMITS







February 28, 1992

Mr. Nile Testerman NCDEHNR Division of Environmental Management Groundwater Section 3800 Barrett Drive, Suite 101 Raleigh, North Carolina 27609 RECEIVED

MAR 2 - 1942

Raieigh Regional Office

RE: January 22, 1992 Notice of Violation Glendale Hosiery Mills Siler City, Chatham County

Dear Mr. Testerman:

ENSCI Corporation has been contracted to perform an initial assessment of areas potentially impacted by petroleum products released from two UST systems at the Glendale Hosiery Mills facility in Siler City, North Carolina. As part of this process, ENSCI Corporation will install three soil borings in each area of concern at the facility. These soil borings will be converted to monitoring wells to assess the quality of groundwater in each of the areas and to determine the direction of groundwater flow.

A monitoring well construction permit application has been attached to this letter showing the proposed soil boring/monitoring well locations. ENSCI Corporation can mobilize to the facility to begin the investigation within one to two days of receipt of the monitoring well construction permit. Accordingly, ENSCI appreciates any effort on your behalf to expedite the permit application.

A report detailing aspects of the initial soil/groundwater assessment will be completed and submitted to your office within forty five days of initial investigative activity.

If I can answer any questions, or be of further assistance, please do not hesitate to call.

Sincerely Yours,

ENSCI CORPORATION

Bruce K. Braswell, P.G. SENIOR HYDROGEOLOGIST

Brue K. Broswell

CC: Glenn J. Floyd

Glendale Hosiery Mills

1108 Old Thomasville Rd. • High Point, NC 27260 • 919-883-7505 • Fax 919-882-7958

KENNEDY COVINGTON LOBDELL & HICKMAN, L.L.P.

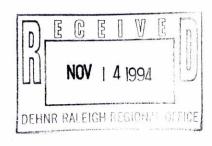
ATTORNEYS AT LAW

NationsBank Corporate Center Suite 4200 100 North Tryon Street Charlotte, North Carolina 28202-4006

James L. Conner II 704/331-7420 Telephone 704/331-7400 Facsimile 704/331-7598

November 9, 1994

Mr. S. Jay Zimmerman Hydrogeological Regional Supervisor Division of Environmental Management 3800 Barrett Drive Raleigh, NC 27609



Dear Jay:

This firm represents Glendale Hosiery Company. This letter is to report an apparent release of petroleum hydrocarbons at the company's facility in Siler City.

In the course of performing a Phase II investigation on this property for a third party, Delta Environmental Consultants, Inc. took six groundwater samples from the property, including one each in three former underground storage tank ("UST") pits. Though four of the groundwater samples came up completely clean, low levels of contamination were found in two samples. A sample obtained from near the former location of a 500 gallon gasoline UST was found to contain 14 ug/l of benzene, 48 ug/l of toluene, 170 ug/l ethylbenzene, and 440 ug/l of total xylenes. As you can see, only the benzene and ethylbenzene are in excess of the 2L standards. Another groundwater sample taken from the former location of two fuel oil USTs and analyzed using EPA Method 625 for base/neutrals extractables reported below detection limits on all parameters except aniline, which was found at 17 ug/l.

Please let me know if the Division believes any further action should be taken at this site.

With best regards, I remain

Very truly yours,

James L. Conner II

For the Firm

JLCII/hkd

cc:

Mr. Glenn J. Floyd

Clarence W. Walker, Esq.



POLLUTION CON 2 9 1995 E State of North Carolina Department of Environment, Health, and Natural Resources Raleigh Regional Office

James G. Martin, Governor William W. Cobey, Jr., Secretary Edmond John Maguire Regional Manager

DIVISION OF ENVIRONMENTAL MANAGEMENT January 22, 1992

CERTIFIED MAIL RETURN RECEIPT REOUIRED

Troy Hancock Maintenance Supervisor Glendale Hosiery Mills Post Office Box 686 Siler City, North Carolina 27344

GROUNDWATER SECTION RALEIGH, NC

Notice of Violation Subject:

> N.C. General Statutes 143-215.83 Location: Glendale Hosiery Mills Siler City, Chatham County

Dear Mr. Hancock:

Chapter 143, Article 21A, of the North Carolina General Statutes, directs the Environmental Management Commission of the Department of Environment, Health, and Natural Resources to protect and preserve the water and air resources of the State. The Division of Environmental Management (Division) has been charged with the duty and authority to enforce adopted pollution control rules and regulations.

Glendale Hosiery Mills has been identified as the owner and operator of an underground storage tank (UST) at the above location pursuant to G.S. 143-215.94A.

Division received laboratory data on January 3, indicating total petroleum hydrocarbons (TPH) concentrations up to 540 parts per million under an UST at the subject location. Information to date, therefore, indicates a discharge petroleum products from an UST has entered the subsurface. This constitutes an unlawful discharge of oil as defined by G.S. 143-215-77. This discharge is a violation of G.S. 143-215.83 which prohibits the discharge of oil or other hazardous substances to the lands or waters of the State, regardless of the fault of the person having control over the oil or hazardous Mr. Hancock January 22, 1992 -page two-

substance, or regardless of whether the discharge was the result of intentional or negligent conduct, accident or other cause.

Glendale Hosiery Mills is requested to submit by February 3, 1992 a written response to this Notice describing its intention to It should be achieve compliance with the above-cited statutes. noted that G.S. 143.215.94E requires the owner or operator of an UST to immediately undertake to collect and remove the discharge or release and to restore the area affected to its preexisting condition.

Failure to restore the area affected is a violation of G.S. 143-215.94E and may result in the issuance of a proposed civil penalty assessment by the Director under authority of G.S. 143-215.94K, which states that the penalties provided in G.S. 143-215.102 shall apply provided that a civil penalty of not more than \$5000 may be assessed against any person who fails to collect and remove a discharge as required in G.S. 143-215.94E.

If you have any questions please call Mr. Nile Testerman of the Raleigh Regional Office at (919) 571-4700.

Sincerely,

Arthur Mouberry, P.E. Regional Supervisor

Raleigh Regional Office

AM:JZ:NT:nt

cc: Perry Nelson

GLENDALE . NOV

Divider Page

August 27, 2008

Mr. Glyn Collins and Ms. Joan Beal Chatham Chevrolet Buick Pontiac 1402 East 11th Street Siler City (Chatham Co.), North Carolina 27344



Reference:

Limited Phase II Environmental Site Assessment Addendum

Chatham Chevrolet Buick Pontiac

1402 East 11th Street

Siler City (Chatham Co.), North Carolina 27344

EI Project No.: ENMO081197.00

Dear Mr. Collins and Ms. Beal:

The EI Group, Inc., (EI) has completed the authorized Limited Phase II Environmental Site Assessment (*Phase II ESA*) Addendum at the above-referenced property. The purpose of this assessment was to obtain additional information on the findings presented in a Limited *Phase II ESA* completed at the subject property by EI dated October 30, 2007, the *EI 2007 Phase II ESA* (enclosed in **Appendix A**).

The findings of the EI 2007 Phase II ESA were summarized as follows:

- The soil quality assessment indicated the presence of impacts adjacent to the former hydraulic lifts/service bay area. There appears to have been a release of petroleum hydrocarbons consistent with diesel and gasoline fuel at this area;
- The groundwater quality assessment did not indicate the presence of impacts at the existing
 groundwater monitoring well, MW-1. In order to verify whether groundwater quality has been
 impacted near the hydraulic lifts/service bay area, further assessment would be necessary;
- The well receptor survey indicated one potential water supply well to be present within a 1,500-foot radius of the subject property. The area around the subject property (1,500 feet and beyond) is serviced by municipal water and sewer services.

In addition, EI was authorized to excate and dispose of a limited amount of petroleum-impacted soils adjacent to the former hydraulic lifts/service bay area, and install a permanent groundwater monitoring well ("MW-3") for sampling. The location of the site is shown on Figure 1. Figure 2 shows the general layout of the site, the soil excavation limits, and the soil boring/monitoring well location. A copy of the laboratory analytical report for the soil and groundwater samples is presented in Appendix B.

FIELD ACTIVITIES

Soil Excavation and Confirmation Sampling

EI personnel mobilized to the subject property on January 23, 2008 to perform the soil excavation activities. EI subcontracted Soil Solutions, Inc. (SSI), of Winston-Salem, North Carolina to conduct the soil removal activities and dispose of the impacted soils according to applicable NC guidelines.

SEP 3 - 2008

A total of 40.21 tons of petroleum-impacted soils were removed utilizing a backhoe and loaded onto dump trucks for transport and disposal. The final limits of the excavation measured approximately 13 feet by 13 feet by 6 feet deep. Subsurface soils encountered were consistent with those logged by the EI 2007 Phase II ESA and did not appear to have been disturbed. Copies of the non-hazardous materials manifests and Certificates of Disposal for the soils are included in **Appendix C.** After confirmation sampling was completed, the excavation was backfilled to grade with clean, clayey/silty soils and crusher run. The soils were compacted using the backhoe.

EI collected a total of ten (10) confirmation samples from the soil excavation limits for submittal to a NC-certified laboratory for analysis by EPA Method 8260B for volatile organics (VOCs), EPA Method 8270C for semi-VOCs, EPA Method 8081 for pesticides, EPA Method 8082 for poly-chlorinated biphenyls (PCBs), Massachusetts Department of Environmental Protection (MADEP) Methods EPH and VPH for extractable and volatile petroleum hydrocarbons, respectively, and for chromium and lead by EPA method 6010B. To conserve on laboratory analytical expenses, only three (3) of the ten (10) total confirmation samples were submitted for all of the laboratory analytical methods listed above. The samples were delivered to SGS Environmental Services, Inc. of Wilmington, NC via courier under chain-of-custody protocol for laboratory analysis. Refer to Figure 3 for the location and final limits of the soil excavation, as well as the confirmation soil sample locations.

Monitoring Well Installation/ Soil and Groundwater Sampling

EI personnel mobilized to the subject property on March 5, 2008 to install a permanent groundwater monitoring well through the excavation backfill and into the shallow aquifer. Refer to Figure 2 for the location of the monitoring well. EI subcontracted J & L Drilling, LLC of Four Oaks, North Carolina to advance the borehole and install the well.

The borehole was advanced using rotary-auger and air hammer methods down to 25 feet below land surface (bls). One (1) soil sample, "SBMW-3", was obtained from the soil boring between eight (8) and ten (10) feet bls and submitted for laboratory analysis for VOCs, SVOCs and extractable and volatile hydrocarbons. The borehole was converted into a permanent monitoring well by inserting a 25-foot column of PVC piping (15 feet of well screen and 10 feet of well casing). The annular space around the PVC piping was filled with sand to one foot above the well screen, followed by two feet of bentonite, then 6.5 feet of cement grout. The wellhead was completed with a concrete pad, manhole cover, and a locking cap for the well casing. Soil cuttings were drummed for disposal by SSI (refer to Appendix C for a copy of the Certificate for Disposal). A copy of the well construction record is included in Appendix D.

Groundwater quality sampling was performed on March 11, 2008 using a disposable polyethylene bailer. Groundwater sample "MW-3" was obtained and submitted to SGS Environmental Services, Inc. for laboratory analysis for VOCs by EPA Method 6210D, for SVOCs by EPA Method 625 plus top 10 tentatively identifiable compounds (TICs), and for extractable and volatile petroleum hydrocarbons. Depth to water in monitoring well MW-3 was measured at 16.75 feet bls.

Well Receptor Survey

EI personnel conducted a well receptor survey within a 1,500-foot radius of the subject property by reconnaissance and questionnaire forms. One (1) water supply well was identified along Center Street at a single family residence at approximately 1,250 feet east/southeast of the subject property. No further information on this well was available at the time of this assessment. A copy of the only questionnaire returned to date is included in **Appendix E**.

LABORATORY ANALYTICAL RESULTS

Soil Excavation - Confirmation Samples

The laboratory analytical results for the confirmation soil samples show that VOCs, SVOCs, EPHs, and VPHs remain in subsurface soils at the southern portions of the excavated area in the sidewall and the floor at levels above the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management's (DWM), Soil-to-Groundwater Maximum Soil Contaminant Concentrations (MSCCs). There were no analytes detected above Soil-to-Groundwater MSCCs in any other portions of the excavated area and none were detected above Residential MSCCs. Chromium was detected above the respective regulatory standard in one of the four (4) samples analyzed. Lead was detected in each of the four samples; however none of the concentrations were reported above the respective regulatory standard for lead. The laboratory analysis did not detect the presence of PCBs or pesticides in any of the samples. Refer to Table 1 and Figure 4 for a summary of the laboratory analytical results for the confirmation soil sampling and their respective locations.

Soil Sample at MW-3 Borehole

The laboratory analytical results for the soil sample ("SBMW-3") at the MW-3 borehole show that VOCs and SVOCs are present beneath the floor of the excavated area, but at levels well below the Soil-to-Groundwater MSCCs. Aromatic hydrocarbons (C11 to C22) were detected in the sample above the Soils to-Groundwater MSCCs. Aliphatic hydrocarbons (C19-C36) were detected in the sample; however these constituents are considered immobile for Soil-to-Groundwater MSCCs and do not have a standard. Refer to Table 2 and Figure 5 for a summary of the laboratory analytical results for soil sample "SBMW-3" and its location.

Groundwater Sample at MW-3

The laboratory analytical results for the groundwater quality sample ("MW-3") reported the presence of the VOCs, benzene and cis-1,2-dichloroethene (cis-1,2-DCE), and the SVOC, bis(2-ethylhexylphthalate) (DEHP) at levels above their respective NC Groundwater Quality Standards, 15NCAC 2L standards. Five (5) other analytes were detected above method detection limits; however their concentrations were reported at levels well below 15NCAC 2L standards. The laboratory's library search for TICs indicated the presence of five (5) unknown compounds, three (3) unknown alkanes, phthalic anhydride, 1(3H)-isobenzofuranone, and cyclohexane (1,2-dichloro- and trans). None of the TICs are believed to represent significant findings for groundwater quality at the subject property at this time. Refer to **Table 3** and

Figure 6 for a summary of the laboratory analytical results for water quality at MW-3. A copy of the laboratory analytical report for water quality is included in **Appendix B**.

CONCLUSIONS AND RECOMMENDATIONS

EI's conclusions are as follows:

- Petroleum-impacted soils remain in-place west of the former hydraulic lifts/service bay area above the NC DWM's Soil-to-Groundwater MSCCs. The constituents detected appear to be consistent with hydraulic oil and may be considered to be the direct result of a release from the former use of such equipment; however, the reported presence of the chlorinated hydrocarbon, cis-1,2-DCE, in soil and groundwater likely indicates a different source. In order to determine the source of this constituent, further assessment would be necessary.
- Based on the laboratory analytical results of the groundwater sample, "MW-3", groundwater quality is impacted by benzene, cis-1/2-DCE, and DEHP above 2L standards. The source of the constituents detected in the groundwater at MW-3 has not been identified. In order to identify the source(s) of onsite groundwater impacts, additional monitoring well installation and groundwater sampling would be necessary.
- Because soil and groundwater quality are impacted above current regulatory standards, further assessment and/or corrective action is warranted and may be required by the State. Additional assessment activities would involve determining the cause and extent (horizontal and vertical delineation) of affected soils and groundwater.
- Based on information obtained during a well receptor survey, one (1) water supply well exists approximately 1,250 feet southeast of the subject property. No further information regarding the construction or use of this well was available at the time of this assessment. Siler City provides water and sanitary sewer services to the subject property and vicinity. The risk of impact to this well is believed to be minimal given the relative distance; however, this should be confirmed by mapping the potentiometric surface to establish groundwater flow direction and by sampling the water supply well, if permissible.

A copy of this report has been provided to the NCDENR, DWM review and comments at:

NC DENR- Raleigh Regional Office Division of Waste Management 1628 Mail Service Center Raleigh, NC 27699 EI appreciates the opportunity to provide these environmental services to Chatham Chevrolet Buick Pontiac. Should you have any questions regarding this project, please feel free to contact us at (919) 657-7500, ext. 278.

Sincerely,

The El Group, Inc.

Darren R. Lockhart P.G. Manager, Morrisville Enviro

Michael L. Walker, P.E.

Manager, Environmental & Engineering Services

Attachments\\\

TABLE 1 Summary of Soil Analytical Results (Soil Excavation) Chatham Chevrolet Buick Pontiac EI Project No.: ENMO081197.00

Laboratory Analysis	ld Screening Res	Date	CARLES OF THE PARTY OF THE PART			STATE OF THE PARTY.	4.5-5.0	4.5-5.0	4.5-5.0	5.0-5.5	4.0-4.5	6.0-6.5	6.0-6.5
Laboratory Analysis			Sample Date					10/25	5/2007			ne soutefaller	
		Field Screening Results-PID (ppm)					0	0	0	0	0	0	0
VOC's	Residential	Cleanup Standards (MSCC Industrial/Commercial	Soil-to-GW	•			Lab	oratory Analyti	ical Results/ mg/	/kg		122.	
GCMS 8260/5035	MSCCs (mg/kg)	MSCCs (mg/kg)	MSCCs (mg/kg)	排 商品								ing job.	
Toluene	3200	82000	7.3	BQL	NA	0.0996	BQL	BQL	BQL	NA	NA	NA	1.37
Ethylbenzene	1560	40000 81760	0.24	0.557 1.19	NA NA	0.151 0.875	BQL BQL	BQL BQL	BQL BQL	NA NA	NA NA	NA NA	1.22 6.86
Xylenes (Tot.) n-Propylbenzene	3129 626	16350	1.7	0.776	NA NA	0.173	BQL	BQL	BQL	NA NA	NA .	NA NA	1
1,3,5-Trimethylbenzene	782	20440	7.3	2.26	NA NA	0.456	BQL	BQL	BQL	NA NA	NA NA	NA NA	2.39
1,2,4-Trimethylbenzene	782	20440	7.5	7.14	NA NA	1.73	BQL	BQL	BQL	NA.	NA.	NA NA	8.81
n-Butylbenzene	156	4088	4	1.32	NA NA	0.278	BQL	BQL	BQL	NA	NA	NA .	1.34
1,2-dichloropropane	9	84	0.0026	BQL	NA NA	BQL	BQL	BQL	BQL	NA	NA	NA	BQL
cis-1,2-dichloroethene	156	4000	0.35	0.533	NA	BQL	0.0206	BQL	BQL	NA	NA	NA	0.823
Naphthhalene	313	8176	0.58	3.72	NA	0.657	BQL	BQL	BQL	NA	NA	NA	3.94
Tetrachloroethene	12	110	0.0074	BQL	NA NA	BQL	BQL	BQL	BQL	NA	NA NA	NA	1.28
Methyl-tert-butyl Ether	213	1908	0.92	BQL	NA	BQL	BQL	BQL	BQL	NA	NA	*NA	BQL
All remaining	N/A	N/A	N/A	BQL	NA	BQL	BQL	BQL	BQL	NA	NA	NA	BQL
Semi-VOC's GCMS 8270				Laboratory Analytical Results mg/kg									
Benzo[a]pyrene	0.088	0.78	0.091	BQL	0.616	BQL	BQL	BQL	BQL	BQL	BQL.	BQL	BQL
Benzo[k]fluoranthene	9	78	12	0.794	0.639	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Di-n-octylphthalate	NS	NS	NS	0.757	0.681	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	313	8176	0.58	3.32	0.67	0.43	BQL	BQL	BQL	BQL	BQL	BQL	2.12
2-Methylnapthalene	63	1635	1.7	3.4	0.716	0.416	BQL	BQL	BQL	BQL	BQL	BQL	1.87
bis (2-Ethylhexyl)phthalate	46	410	5.6	2.1	0.482	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.38
Phenanthrene	469	12264	60	0.701	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.393
Pyrene	469	469	290	0.861	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.551
All remaining	N/A	N/A	N/A	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
STATE OF THE PROPERTY OF	A CALLED AND AND AND AND AND AND AND AND AND AN		A E G A S A S A S A S A S A S A S A S A S A	Laboratory Analytical Results mg/kg						DQL			
MADEP VPH	000	04.500	据。引命[AE] [AE]	16	48.5	BQL	BQL			NA NA	NA	NA	BQL
C5-C8 Aliphatics	939	24,528	72					BQL	NA				
C9-C12 Aliphatics	9386	245280	3255	113	2190	33.5	BQL	BQL	NA	NA .	NA	NA	64.5
C9-C10 Aromatics	469	12264	34	100	364	19.3	BQL	BQL	NA	NA	NA	NA NA	46.7
MADEP EPH		440					Lat	oratory Analyt	ical Results mg/	kg			
C9-C18 Aliphatics	9386	245280	3255	10.6	NA	33.4	BQL	BQL	BQL	BQL	BQL	BQL	219
C19-C36 Aliphatics	93860	* 1 1	Immobile	2910	NA	2040	186	BQL	128	478	BQL	40.6	6270
C11-C22 Aromatics	469	12264	34	346.0	NA	338	BQL	BQL	BQL	17.8	BQL	BQL	1020
Pesticides EPA 8081				Laboratory Analytical Results mg/kg									
All analytes	NA .	NA .	NA NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA NA	BQL
PCBs EPA 8082		U String		Laboratory Analytical Results mg/kg									
All analytes	NA	NA	NA	BQL	BQL	BQL	NA	NA	NA	NA	NA	NA	BQL
Metals (6010B)	· · · · · · · · · · · · · · · · · · ·			Laboratory Analytical Results mg/kg						- Til			
Chromium	47	1226	27	27.6	15.6	13.1	NA	NA	NA	NA	NA	NA	13.5
Lead	400	400	270	15	19.8	6.29	NA	NA	NA	NA	NA	NA	21.8

BQL = Below Quantitation Limits NA = not analyzed

TABLE 2 Summary of Soil Analytical Results (borehole for MW-3) Chatham Chevrolet Buick Pontiac EI Project No.: ENMO081197.00

	SBMW-3 8'-10'				
	The second secon				
Control of the Contro	3/5/2008				
FI	3				
Laboratory Analysis	Laboratory				
Laboratory Analysis VOC's	Residential MSCCs (mg/kg)	Industrial/Commercial MSCCs (mg/kg)	Soil-to-GW MSCCs (mg/kg)	Analytical Results	
GCMS 8260/5035		a a de agranda	Switch to been by		
Acetone	1564	40880	3.	0.0665	
2-Butanone	NS	NS -	NS	0.0119	
Carbon disulfide 2-Hexanone	1564 625	40880 16352	1,9	BQL BQL	
Benzene	22	200	0.0056	0.00164	
Toluene	3200	82000	72	0.0132	
Ethylbenzene	1560	40000	0,24	0.0528	
Xylene	32000	200000	-5.	0.0318	
sec-butylbenzene	626	16350	3.3	BQL	
tert-butylbenzne sopropylbenzene (Cumene)	626 1564	16350 40880	2	0.00206 BQL	
1,1-dichloroethane	1560	40000	0.38	0.00369	
cis-1,2, dichloroethane	156	4000	0.35	0.0127	
methylene chloride	85	763	0.02	0.0029	
4-isopropyltoluene	NS	NS	NS	BQL	
1,2,4-Trichlorobenzene n-Propylbenzene	156 NS	4088 NS	2.6 NS	BQL 0.00302	
1,3,5-Trimethylbenzene	782	20440	7	BQL	
1,2,4-Trimethylbenzene	782	20440	8	0.0081	
n-Butylbenzene	156	4088	4	BQL	
1,2-dichloropropane	9	84	0.0026	BQL	
Naphthalene	63	1635	0.58	0.0188	
1,1,1-trichloroethane trichloroethene	4380 58	114500 520	1.6 0.0183	0.0017 0.00583	
Tetrachloroethene	12	110	0.0074	0.00363	
Methyl-tert-butyl Ether	156	4088	0.92	0.00287	
Semi-VOC's GCMS 8270				Laboratory Analytical Results	
Assasshibass	040	04000		mg/kg	
Acenaphthene Anthracene	940 4600	24000 12200	8 995	NA NA	
Benzo[a]anthracene	0.88	8	0.34	NA NA	
Benzo[a]pyrene	0.088	0.78	0.091/0.088	NA NA	
Benzo[b]fluoranthene	0.88	8	TORRESPENSE TO	NA	
Benzo[g,h,i]perylene	469	12264	6720	NA	
Benzo[k]fluoranthene	9	78	12	NA	
Chrysene	88	780	38	NA	
Dibenzo[a,h]anthracene	0.088	0.78	0.17	NA	
Dibenzofuran	62	1635	4.7	NA	
Fluoranthene	620	16400	276	NA	
Fluorene Indeno(1,2,3-cd)pyrene	620	16400	44	NA	
Phenol	0.88 4693	8 122600	1.7	NA NA	
Naphthalene	63	1635	0.58	0.0652	
2-Methylnapthalene	63	1635	3	0.0652	
Fluorene	620	16400	44	NA NA	
bis (2-Ethylhexyl)phthalate	46	410	5.6	0.141	
Phenanthrene	469	12264	60	0.0515	
Pyrene	469	12264	286	NA	
MADEP VPH	AND SHOULD BE SHOULD			Laboratory Analytical Results mg/kg	
C5-C8 Aliphatics	939	24,528	72	BRL	
C9-C12 Aliphatics	9386	245280	3255	BRL	
C9-C10 Aromatics	469	12264	34	BRL Laboratory Analytical Results	
MADEP EPH	· 大學 自然為為於	The County of the Paris of the County of the	TO THE REAL PROPERTY.	mg/kg	
MADEP EPH C9-C18 Aliphatics	9386	245280	3255	mg/kg BRL	
	9386 93860	245280	3255 Immobile		

BQL = Below Quantitation Limits NA = not analyzed

TABLE 3 SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - (MW-3)

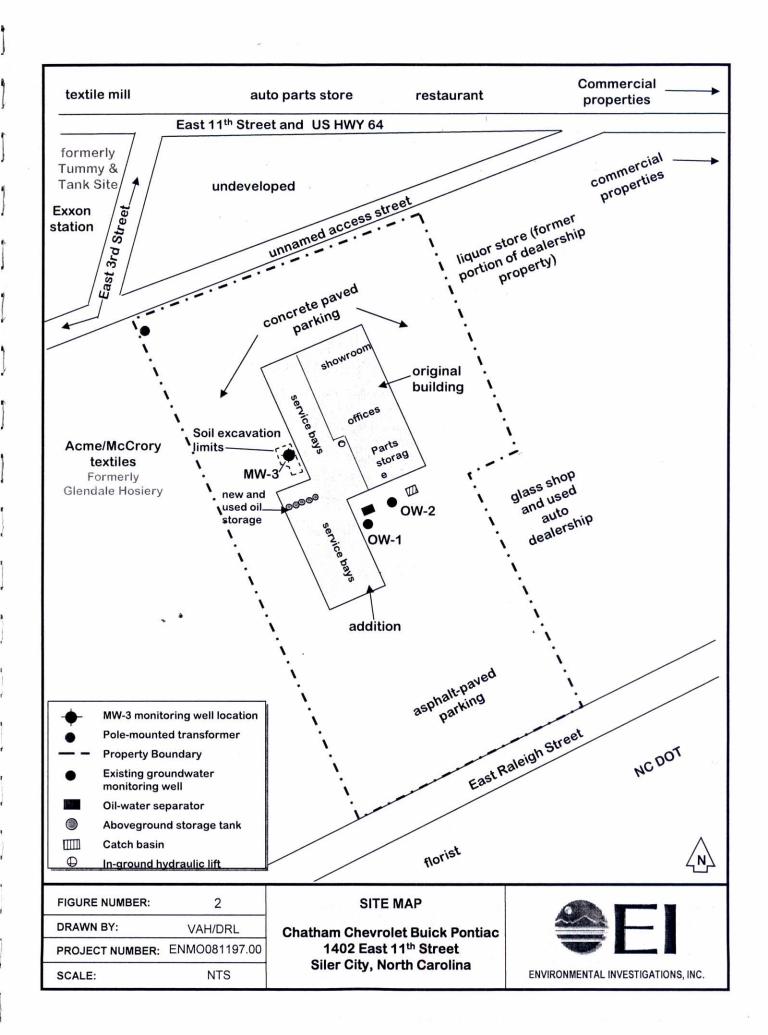
Chatham Chevrolet, Buick, Pontiac 1402 East 11th Street Siler City, NC ENMO081197.00

Sample	MW-3		
San	3/11/2008		
Volatile Organic Compounds EPA Method 6210D	2L Groundwater Standards (ug/L)	Gross Contamination Levels for Groundwater (GCL) (ug/l)	Concentrations (ug/L)
Benzene	1	5000	5.2
1,1-Dichloroethane	70	70000	44.8
Ethylbenzene	550	84500	BQL
p-Isopropyltoluene	NS	NS	BQL
Isopropylbenzene	70	25000	BQL
sec-Butylbenzene	NS	NS	BQL
Total Xylenes	530	87500	BQL
Toluene	1000	257500	2.2
MTBE	200	200000	25.8
1,3,5-Trimethylbenzene	350	25000	BOL
1,2,4-Trimethylbenzene	350	28500	BOL
n-Propylbenzene	70	30000	BOL
n-Butylbenzene	70	6900	BQL
Naphthalene	21	15500	BQL
cis-1,2-dichloroethene	70	70000	360
IPE	70	70000	3.6
Vinyl Chloride	0.015	15	BQL
All Remaining Analytes	N/A	N/A	BOL
MADEP VPH	2L GW Standards (ug/L)		Concentrations (ug/L)
C ₅ -C ₈ Aliphatics	420		BQL
C ₉ -C ₁₂ Aliphatics	4200		BQL
C ₉ -C10 Aromatics	210	Section 1	BOL
MADEP EPH	2L GW Standards (ug/L)		Concentrations (ug/L)
C9-C18 Aliphatics	4200		BQL
C19-C36 Aliphatics	42000		BQL
C11-C22 Aromatics	210	Cold Mark	BQL
Method 625	2L GW Standards (ug/L)	Water to the second	Concentrations (ug/L
Naphthalene	21	15500	BQL
Bis(2-ehtylhexylphthalate)	2.5	2500	4.7
2,4-Dimethylphenol	140	140000	10.4
Acenapthylene	210	1965	BQL
Fluorene	280	950	BQL
Phenanthrene	210	410	BQL
Phenol	300	30000	BQL
All Remaining Analytes	N/A	N/A	BQL

Legend

$$\label{eq:local_local_local_local} \begin{split} & \textit{Italics} \, | \textbf{Bold Font} = \text{In Excess of NCAC 2L Class GA Standards} \\ & \text{ND} = \text{Not Detected at or above the method laboratory detection limit} \end{split}$$

NA = Not Applicable, NS = No Standard



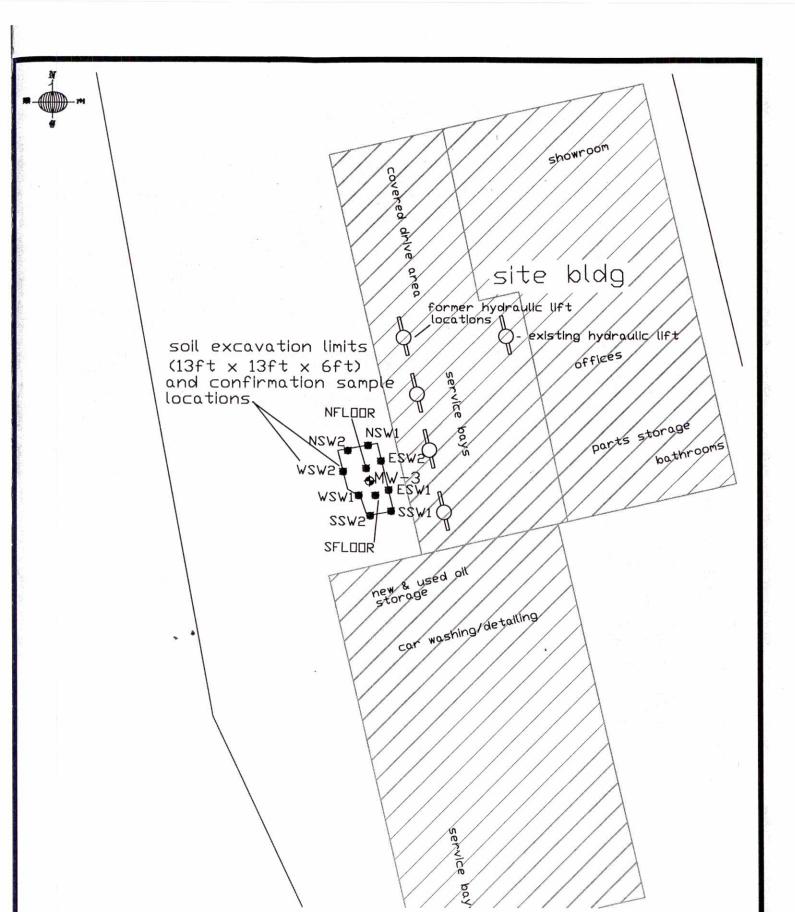


FIG NO:	3
DWN BY:	DRL
DATE:	8/15/08
PROJ. NO.	ENMO081197.00
SCALE:	1" ~ 30'

SOIL EXCAVATION LIMITS AND SOIL CONFIRMATION SAMPLES Chatham Chevrolet Buick Pontiac

Chatham Chevrolet Buick Pontiac 1402 East 11th Street Siler City, North Carolina



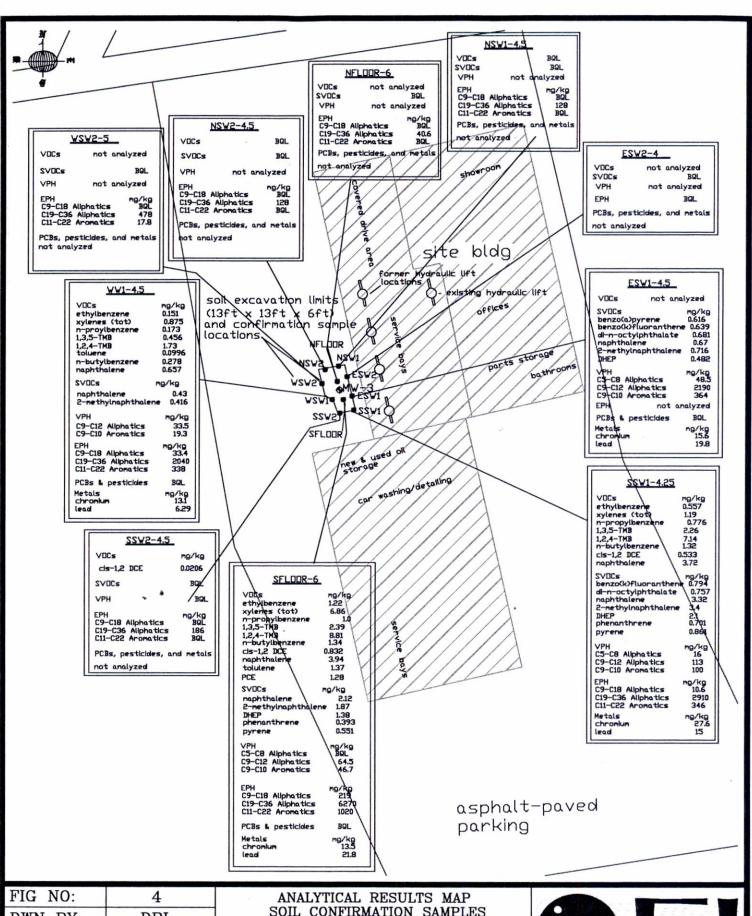


 FIG NO:
 4

 DWN BY:
 DRL

 DATE:
 8/15/08

 PROJ. NO.
 ENMO081197.00

 SCALE:
 1" ~ 40'

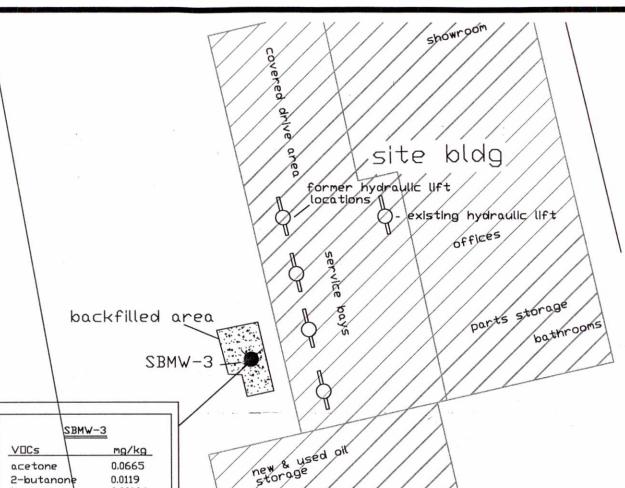
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SOIL CONFIRMATION SAMPLES
Chatham Chevrolet Buick Pontiac
1402 East 11th Street
Siler City, North Carolina

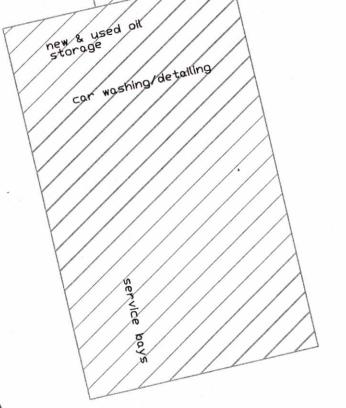






VM82	-3
VDCs	mg/kg
acetone	0.0665
2-butanone	0.0119
benzene	0.00164
toluene	0.0132
ethylbenzene xylene	0.0528 0.0318
tert-butylber 1,1-DCA cls-1,2 DCE	0.00369 0.0127
methylene ch n-propylbenz 1,2,4-TMB naphthalene	
1,1,1-TCA TCE PCE MTBE	0.0017 0.00583 0.0027 0,00287
SVDCs	ng/kg
naphthalene	0.0652
2-methylnapth	0.141 0.168
DEHP phenanthrene	
VPHs	BQL
EPHs	mg/kg
C9-C18 Allpha	tics BQL

C19-C36 Aliphatics 525 C11-C22 Aromatics 79.1



5					
DRL					
8/15/08					
ENMO081197.00					
1" ~ 30'					

ANALYTICAL RESULTS MAP BOREHOLE SOIL AT MW-3 Chatham Chevrolet Buick Pontiac 1402 East 11th Street Siler City, North Carolina



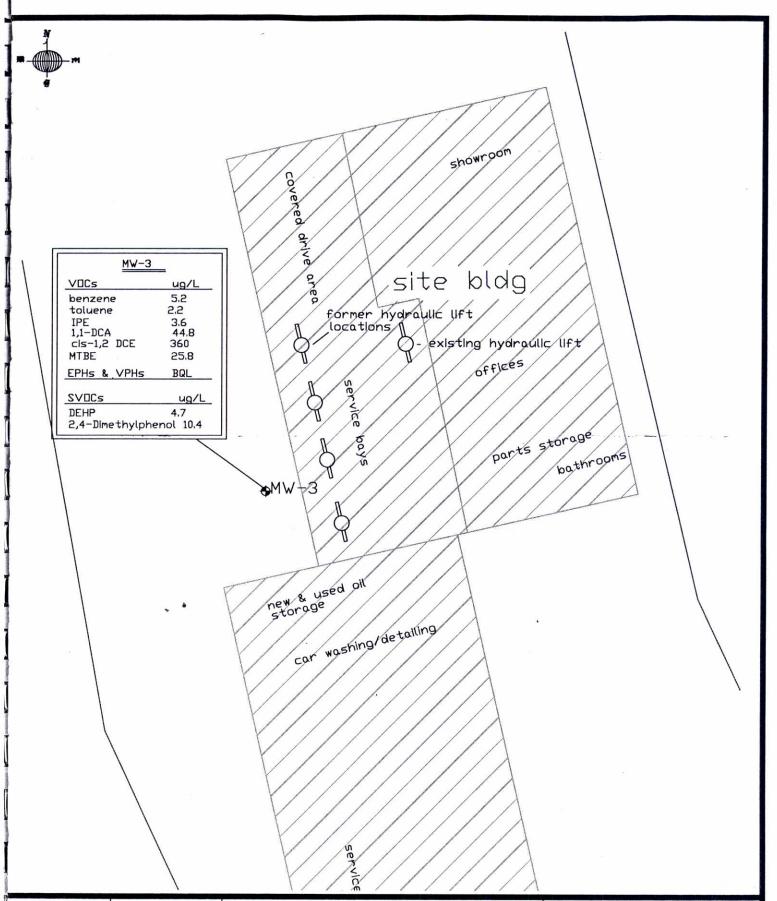


FIG NO:	6					
DWN BY:	DRL					
DATE:	8/15/08					
PROJ. NO.	ENMO081197.00					
SCALE:	1" ~ 30'					

ANALYTICAL RESULTS MAP
GROUNDWATER (MW-3)
Chatham Chevrolet Buick Port

Chatham Chevrolet Buick Pontiac 1402 East 11th Street Siler City, North Carolina





North Carolina Department of Environment and Natural Resources

Beverly Eaves Perdue, Governor

Division of Waste Management UST Section Dee Freeman, Secretary

Dexter R. Matthews, Director

March 9, 2009

<u>CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

Mr. Glyn Collins Chatham Chevrolet Buick Pontiac 1402 East 11th Street Siler City, NC 27344

Re:

Notice of Violation of 15A NCAC 2L .0400 Risk-based Assessment and Corrective Action for Petroleum Underground Storage Tanks

> Chatham Chevrolet Buick Pontiac Facility # N/A 1402 East 11th Street Siler City, NC 27344 Chatham County Incident Number: 33570 Risk Classification: N/A Ranking: N/A

Dear Mr. Collins:

Information received by this office on September 3, 2008 confirms a release or discharge from a petroleum underground storage tank (UST) system at the above-referenced location. Records indicate that you are the owner or operator of this UST system. This letter explains the violation(s) and associated corrective action(s) you must take as a result of the release or discharge in accordance with North Carolina statutes and rules. The Division of Waste Management, UST Section administers the state's rules for USTs and the required response for petroleum releases. Those rules are located in Title 15A, Subchapter 2L and Title 15A, Subchapter 2N of the North Carolina Administrative Code (NCAC).

VIOLATION 1:

Failure to submit a 20-Day Report in accordance with Title 15A NCAC 2L .0404 and Title 15ANCAC 2N .0703 to the UST Section within 20 days of discovery of a discharge or a release.

REQUIRED CORRECTIVE ACTION:

Please submit a 20-Day Report in accordance with Title 15A NCAC 2L .0404, Title 15ANCAC 2N .0703, and the most recent version of the Guidelines for Site Checks, Tank Closure, and Initial Response and Abatement for UST Releases. The 20-Day Report must be received by this office within 20 days of receipt of this notice.

Please take the corrective action(s) for the above violation(s) as necessary to bring the site into compliance. Corrective actions must be taken and reported to the Raleigh Regional Office, within 30 days from the date of this notice, unless otherwise noted in the above corrective actions, to avoid recommendation of civil penalties for continuing violations.

Penalties may be assessed for the violation(s) described within this Notice of Violation. Your prompt attention to the items described herein is required. Failure to comply with the State's rules, in the manner and time specified, may result in the assessment of additional civil penalties and/or the use of other enforcement mechanisms available to the State. Each day that a violation continues may be considered a separate violation.

Please note that performing assessment and cleanup work that is not required under 15A NCAC 2L .0400 is not reimbursable from the Commercial or Noncommercial Leaking Petroleum Underground Storage Tank Cleanup Funds.

If you have any questions regarding the actions that must be taken or the rules mentioned in this letter, please contact John F. Maloy at the address or telephone number listed below. If you have any questions regarding trust fund eligibility or reimbursement, please contact the UST Section Trust Fund Branch at (919) 733-8486.

Sincerely,

Mark Powers

UST Section Regional Supervisor

Mich A. Pinay

Raleigh Regional Office

Raleigh Regional Office/JFM- 1628 Mail Service Center, Raleigh, NC 27699 (919) 791-4200 cc: Chatham County Health Department

EI; 2101 Gateway Centre Boulevard. Suite 200; Morrisville, NC 27560

Divider Page



Geological Resources, Inc.

January 21, 2015

Mr. Clark Wipfield NCDENR – UST Section Raleigh Regional Office 1628 Mail Service Center Raleigh, North Carolina 27699-1628

Re: January 2015 Site Check Addendum

Quick Way Mart
1322 East 11th Street
Siler City, Chatham County
Incident No. 39615
Risk Classification: Low
GRI Project No. 3591

DECITED DE LA JANZE LA SELECTION DE LA SELECTI

NC DENR Raining in Augusta Office

Dear Mr. Wipfield,

Geological Resources, Inc. (GRI) presents this information to complete the scope of work that was requested for the above referenced site. These activities were conducted in accordance with a conversation between GRI personnel and the North Carolina Department of Environment and Natural Resources (NCDENR) incident manager on December 17, 2014. Please find enclosed the site location map, site map, summary of ground water analytical results and the laboratory analytical report.

On January 12, 2015, ground water samples were collected from the two existing onsite monitoring wells noted as MW-1 and MW-2. Depths to ground water ranged from 1.87 feet in MW-1 to 3.49 feet in MW-2. Ground water samples were submitted for laboratory analysis of volatile organic compounds (VOCs) using EPA Method 6200B, semi-VOCs using EPA Method 625, lead using EPA Method 6010 and EDB by EPA Method 504.1 as well as EPH and VPH using the MADEP Method.

Concentrations of benzene, xylenes, MTBE, naphthalene, IPE, 1,2,4-trimethlybenzene, 1,3,5-trimethylbenzene, 2,4-dimethylphenol, 1-methylnaphthalene, 2-methylnaphthalene, lead, C5-C8 aliphatics, C9-C18 aliphatics, C19-C36 aliphatics and/or C9-C10 aromatics exceeded the maximum allowable concentrations (MACs) specified in T15A NCAC 2L.0202 for the ground water samples collected from MW-1 and MW-2. None of the reported contaminant concentrations exceeded the gross contaminant levels (GCLs).

Work conducted for the previous incident at the site determined the site to have a low risk ranking and a Notice of Residual Petroleum was filed for the incident. As stated in the September 29, 2014 Site Check Report, tank and line testing did not identify any leaking UST system component; therefore, the residual contaminant concentrations can be attributed to the prior incident. Based on this information, the site risk classification should remain low risk and a No Further Action Letter should be issued.

3502 Hayes Road • Monroe, North Carolina 28110
113 West Firetower Road, Suite G • Winterville, North Carolina 28590
Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

Quick Way Mart January 2015 Site Check Addendum Page **2** of **2**

Please do not hesitate to contact the undersigned at (704) 845-4010 if you have any questions or require additional information.

Sincerely,

Geological Resources, Inc.

Anglatul

Angela Roach

Project Maria

License Genografia

Enclosures: Site Location Map, Site Map, Summary of Ground Water Analytical Results and Laboratory

Analytical Report

cc:

file

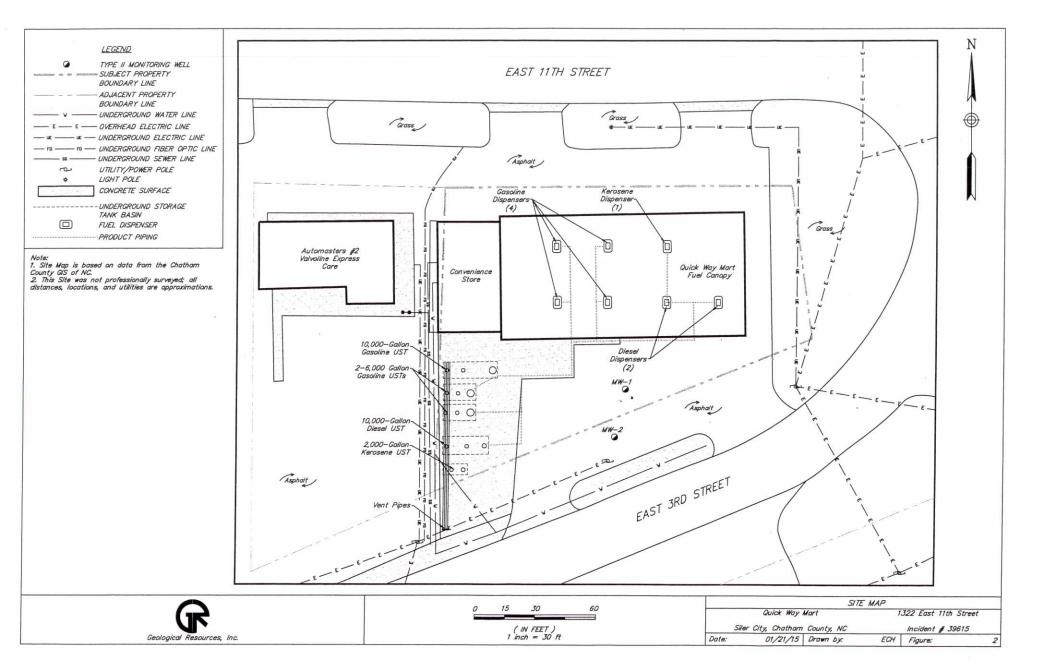


TABLE 1 SUMMARY OF GROUND WATER SAMPLE ANALYTICAL RESULTS QUICK WAY MART; 1322 E 11TH ST, SILER CITY, NC

INCIDENT NO: 39615

Date: 01/20/15 Facility ID #: 0-007843

Analytical M	Method →	SM 6200B								SM 6200B EPA 625 SW846 6010C MADEP VPH REV 1.1						EV 1.1	MADEP EPH			
the state of the s	Date Collected (mm/dd/yy)	Benzene	Toluene	Ethylbenzene	Total Xylenes	Methyl-tert-butyl ether (MTBE)	Naphthalene	Di-isopropyl ether	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2,4-Dimethylphenol	1-Methylnaphthalene	2-Methylnaphthalene	Lead	C5-C8 Aliphatics	C9-C12 Aliphatics	C9-C10 Aromatics	C9-C18 Aliphatics	C19-C36 Aliphatics	C11-C22 Aromatics
2L Stand	ard (μg/l)	1	600	600	500	20	6	70	400	400	100	1	30	15	400	700	200	700	10,000	200
GCL	(μg/l)	5,000	260,000	84,500	85,500	20,000	6,000	70,000	28,500	25,000	100,000	1,000	12,500	15,000	NE	NE	NE	NE	NE	NE
MW-1	01/12/15	201	119	22.4 J	10,200	17.5 J	466	46.3	3,320	964	103	67.3	117	<5.0	646	<350	19,200	3,200	<96	1,080
MW-2	01/12/15	<1.0	<1.0	<1.0	<2.0	2,950	<1.0	247	<1.0	<1.0	< 0.47	< 0.47	< 0.50	29.1	<350	<35	<35	<94	<94	253

Notes:

- Results reported in micrograms per liter (μg/l).
- < : Less than the method detection limit specified in the laboratory report.
 2L Standard specified in T15A NCAC 2L.0202.
- GCL: Gross contamination level.
- · NE: Not Established
- · Concentrations in bold face type exceeded the 2L standards.
- · Concentrations in italics exceeded the gross contamination levels.
- · Refer to laboratory report for detected constituents that did not exceed the MACs, or for which no standard has been established.

January 8, 2016

Mr. Clark Wipfield NCDEQ – UST Section Raleigh Regional Office 1628 Mail Service Center Raleigh, NC 27699

Re:

Soil Vapor Assessment

December 2015 **Ouick Way Mart** 1322 East 11th Street

Siler City, Chatham County, NC

Incident Number: 39615 Facility ID Number: 0-007843

GRI Project No: 3591

Dear Mr. Wipfield,

Please find enclosed the referenced report for the above mentioned site. If you have any questions, please do not hesitate to contact Angela Roach at 704-845-4010.

Sincerely,

Geological Resources, Inc.

Packie Donnelly

Project Coordinator

Enclosure

Cc: Mr. Mike Desai, Quick Way Mart, Inc.

file

3502 Hayes Road • Monroe, North Carolina 28110 113 West Firetower Road, Suite G • Winterville, North Carolina 28590 Phone (704) 845-4010 • (888) 870-4133 • Fax (704) 845-4012

SOIL VAPOR ASSESSMENT
DECEMBER 2015
QUICK WAY MART
1322 EAST 11th STREET
SILER CITY, CHATHAM COUNTY
NORTH CAROLINA
FACILITY ID NUMBER: 0-007843
INCIDENT NUMBER: 39615
GRI PROJECT NO. 3591

Prepared for:

Quick Way Mart, Inc. 1322 East 11th Street Siler City, North Carolina 27344

Prepared by:

Geological Resources, Inc 3502 Hayes Road Monroe, North Carolina 28110

January 8, 2016

Angela Roach Project Manager

anglabal

SITE IDENTIFICATION

Facility Name: Quick Way Mart 1322 East 11th Street Location:

Siler City, NC 27344

Ground Water Incident No: 39615

Land Use Classification: Commercial

UST Owner/Operator: Quick Way Mart, Inc.

1322 East 11th Street

Siler City, North Carolina 27344

(336) 509-4054

Property Owner: Quick Way Mart, Inc. 1322 East 11th Street

Siler City, North Carolina 27344

(336) 509-4054

Primary Consultant: Geological Resources, Inc.

3502 Hayes Road

Monroe, North Carolina 28110

(704) 845-4010

Accutest Laboratories-Southeast Laboratory:

4405 Vineland Road, Suite C-15

Orlando, Florida 32811

(407) 425-6700

North Carolina Certification No. 573

Release Information

A Notice of Violation was issued on August 8, 2014 **Date Reported:**

requiring a site check. Soil samples collected on September

9, 2014 indicate a release has occurred at the site.

Estimated Quantity of Release:

Unknown

Cause of Release:

Unknown

Source of Release:

Unknown

UST Size/Contents:

One (1) 10,000-gallon gasoline UST, two (2) 6,000-gallon

USTs, one (1) 10,000-gallon diesel UST and one (1) 2,000-

gallon kerosene UST.

Latitude/Longitude:

35.7324023° N/79.4472533° W

Certification:

I, Randy A. Smith egist for Geological Resources, Inc., do certify that the information contained in this report is nd accurate to the best of my knowledge.

with a Smith

had so practice geology and engineering in North Carolina. The certification Geological Resources, and C-2727, respectively. numbers of the corporation are

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Appen		Right to Enter Agreement & Subsurface Logs Laboratory Analytical Report – Soil Vapor Samples

EXECUTIVE SUMMARY

The Quick Way Mart site is located at 1322 East 11th Street in Siler City, Chatham County, North Carolina. The site is currently an active convenience store and petroleum retail facility. The site contains a UST system consisting of one 10,000-gallon gasoline UST, two 6,000-gallon gasoline USTs, one 10,000-gallon diesel UST and one 2,000-gallon kerosene UST along with associated product piping and dispensers. A petroleum vapor intrusion complaint was received by the North Carolina Division of Waste Management on August 3, 2014 in regards to the nearby property located at 1314 East 11th Street indicating a suspected petroleum release. The property is zoned commercial and is currently occupied by This N That Thrift Store. On September 9, 2014, a site check was performed at the Quick Way Mart site. The surrounding properties are commercial.

In order to address the vapor concern at 1314 East 11th Street, on December 9, 2015, GRI advanced three soil borings to total depths of 4 feet around the foundation of the structure located at 1314 East 11th Street in Siler City and three temporary soil gas vapor wells were installed to collect soil vapor samples. Soil vapor samples (SVW-1 through SVW-3) were collected over an 8 hour period from each vapor monitoring well and analyzed for VOCs using Method TO-15 MSV.

None of the detectable concentrations that were reported in the samples collected exceeded the North Carolina Division of Waste Management non-residential exterior soil gas screening levels.

GRI recommends no further action.

1.0 SITE HISTORY AND CHARACTERIZATION

The Quick Way Mart site is located at 1322 East 11th Street in Siler City, Chatham County, North Carolina (**Figure 1**). The site is currently an active convenience store and petroleum retail facility. The site contains an underground storage tank (UST) system consisting of one 10,000-gallon gasoline UST, two 6,000-gallon gasoline USTs, one 10,000-gallon diesel UST and one 2,000-gallon kerosene UST along with associated product piping and dispensers. The surrounding properties are commercial. A petroleum vapor intrusion complaint was received by the North Carolina Division of Waste Management on August 3, 2014 in regards to the nearby property located at 1314 East 11th Street indicating a suspected petroleum release. On September 9, 2014, a site check was performed at the Quick Way Mart site. Total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and TPH diesel range organics were reported above the regulatory action levels. Additional ground water sampling was conducted in January 2015. Ground water contaminants did not exceed the gross contamination levels. A Notice of Regulatory Requirements was issued on June 9, 2015 requiring a Limited Site Assessment (LSA). After further discussion with the NC Department of Environmental Quality (NCDEQ) on June 10, 2015, it was decided soil vapor samples should be collected around the exterior of the building located at 1314 East 11th Street. This report summarizes the results of December 2015 soil vapor sampling event.

2.0 CURRENT SITE ASSESSMENT

This report presents the results of soil vapor sampling conducted on December 9, 2015 at 1314 East 11th Street located nearby the Quick Way Mart site. The activities were conducted in accordance with GRI Proposal No. 15-382, which was submitted to the NCDEQ on July 14, 2015 and approved as Task Authorization No. TA-39615-01 on September 28, 2015. The purpose of the activities was to determine if the incident at the Quick Way Mart site has affected vapor levels within the building located at 1314 East 11th Street.

3.0 SOIL VAPOR ASSESSMENT

On December 9, 2015, GRI advanced three soil borings (SVW-1 through SVW-3) to total depths of 4 feet around the foundation of the structure located at 1314 East 11th Street in Siler City. Temporary soil vapor monitoring wells were installed by placing a 2-inch PVC pipe in each boring to a depth of 4 feet and sealed in place using bentonite to prevent the introduction of ambient air into the air sample. Soil vapors would enter the well at approximately 4 feet below grade. A cap with a tubing connector was placed on each wellhead and sealed. 6-liter summa air canisters with flow control T-valve set for 8 hours were connected to each wellhead using silicon tubing. Once the valves were open, soil gas vapors were collected over an 8 hour period within the summa canisters. The locations of the soil vapor sampling points are shown on **Figure 2**. The soil vapor

samples (SVW-1 through SVW-3) were analyzed for VOCs using Method TO-15 MSV. A copy of the right to enter agreement and subsurface logs are included as **Appendix A**.

4.0 SOIL VAPOR ANALYTICAL ANALYTICAL RESULTS

1,2-dibromoethane was detected at a concentration above the North Carolina Division of Waste Management (NCDWM) residential exterior gas screening levels. However, the property and surrounding properties are zoned commercial. None of the detectable concentrations that were reported in the samples collected exceeded the NCDWM non-residential exterior soil gas screening levels. The laboratory analytical results for the air samples are summarized in **Table 1**. The laboratory analytical report is included as **Appendix B**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

- On December 9, 2015, three soil borings were advanced around the onsite structure located at 1314
 East 11th Street and temporary soil vapor monitoring wells installed.
- Soil vapor samples were collected for a total of 8 hours from each vapor monitoring well using summa canisters. Air samples were analyzed for VOCs.
- None of the detectable concentrations that were reported in the samples collected exceeded the NCDWM non-residential exterior soil gas screening levels.
- The property is commercial and surrounding properties are zoned commercial.
- GRI recommends no further action.

6.0 LIMITATIONS

This report has been prepared for the exclusive use of Quick Way Mart, Inc. for the specific application to the referenced site in Chatham County, North Carolina. The assessment was conducted based on the scope of work and level of effort specified by the NCDEQ and with resources adequate only for that scope of work. Our findings have been developed in accordance with generally accepted standards of geology and hydrogeology practices in the State of North Carolina, available information, and our professional judgment. No other warranty is expressed or implied.

The data that are presented in this report are indicative of conditions that existed at the precise locations sampled and at the time the samples were collected. In addition, the data obtained from samples would be interpreted as being meaningful with respect to parameters indicated in the laboratory report. No additional information can logically be inferred from these data.

TABLE 1 SUMMARY OF LABORATORY ANALYSES - SOIL GAS AIR SAMPLES QUICK WAY MART (INCIDENT NO. 39615)

Date: <u>01/04/16</u>

Facility ID #: 0-007843

Analytica	al Method →		Method TO15 MSV										
Contaminant of Concern			пе	thane	oethane	romethane	lo	Alcohol anol)	Ketone	ne	1e	ylbenzene	total)
Sample ID	Date Collected	Acetone	Benzene	Chloromethane	1,2-Dibromoethane	Dichlorodifluoromethane	Ethanol	Isopropyl Alcohol (Isopropanol)	Methyl Ethyl Ketone	Propylene	Toluene	1,2,4-Trimethylbenzene	Xylenes (total)
Intrusio	Residential Vapor Intrusion Screening Concentrations		120	626	1.56	695	NE	1,390	34,800	20,900	34,800	48.7	695
Intrusio	idential Vapor on Screening entrations	2,720,000	1,570	7,880	20.4	8,760	NE	17,500	438,000	263,000	438,000	613	8,760
SVW-1	51	33.0	<0.38	2.5	<1.1	0.74 J	135	5.4	1.2 J	30.4	<0.31	<0.45	2.3 J
SVW-2	12/9/2015	37.1	1.5 J	3.3	9.2	2.3	187	5.2	2.0	77.5	1.7 J	8.4	<0.43
SVW-3	12	4.6	<0.38	1.1 J	4.4	2.4 J	4.7	<1.2	<0.56	2.4 J	<0.31	<0.45	<0.43

Notes:

- Results reported in $\mu g/m3$
- NE: Not established.
- · J: Estimated value.
- Results in bold face type exceed the NCDWM Residential Vapor Intrusion Screening Concentratons.



FEB 1 8 2016

North Carolina Department of Environmental Quality

Pat McCrory Governor Donald R. van der Vaart Secretary

February 16, 2016

Mr. Shailesh Desai Quick Way Mart, Inc. 4 Raintree Court Greensboro, NC 27407

Re: Conditional Notice of No Further Action

15A NCAC 2L .0407(d)

Risk-based Assessment and Corrective Action for Petroleum Underground Storage Tanks

Quickie Way Mart 1322 East 11th Street, Siler City Chatham County Incident Number: 39615

Risk Classification: Low Ranking: L 60 R

Dear Mr. Desai:

The Soil Vapor Assessment Report received by the UST Section, Division of Waste Management, Raleigh Regional Office on January 11, 2016 to accompany the Initial Abatement Action Report submitted on January 26, 2015 has been reviewed. The review indicates that soil contamination does not exceed the lower of the soil-to-groundwater or residential maximum soil contaminant concentrations (MSCCs) established in Title 15A NCAC 2L .0411 and that groundwater contamination meets the cleanup requirements for an low-risk site but exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202.

Based on information provided to date, the UST Section finds it appropriate to reduce the risk classification of the subject incident to low. Furthermore, the UST Section determines the subject incident to be eligible conditionally for no further action status. On July 1, 2010, the UST Section received a certified copy of the Notice of Residual Petroleum for this property which is filed with the Register of Deeds. However, final approval of no further action status is contingent on receipt of confirmation that a current public notice has been completed, as described in the following paragraphs.

Be advised that as groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202, groundwater within the area of contamination or within the area where groundwater contamination is expected to migrate is not suitable for use as a water supply.

As groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202, pursuant to NCGS 143B-279.9 and 143B-279.11, you must file the approved Notice of Residual Petroleum (attached) with the Register of Deeds in the county in which the release is located and submit a certified copy to the UST Section within 30 days of receipt of this letter. This No Further Action determination will not become valid until the UST Section receives a certified copy of the Notice of Residual Petroleum which is filed with the Register of Deeds.

If groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202, public notice in accordance with 15A NCAC 2L .0409(b) also is required. Thus, within

30 days of receipt of this letter, a copy of the letter must be provided by certified mail, or by posting in a prominent place, if certified mail is impractical, to the local health director, the chief administrative officer of each political jurisdiction in which the contamination occurs, all property owners and occupants within or contiguous to the area containing contamination, and all property owners and occupants within or contiguous to the area where the contamination is expected to migrate. Within 60 days of receiving this letter, this office must be provided with proof of receipt of the copy of the letter or of refusal by the addressee to accept delivery of the copy of the letter or with a description of the manner in which the letter was posted. Interested parties may examine the Soil Vapor Assessment Report by contacting this regional office and may submit comments on the site to the regional office at the address or telephone number listed below.

This conditional No Further Action determination will not become valid until the UST Section receives public notice requirements are completed.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,

Mark R. Powers Hydrogeologist

Raleigh Regional Office

Mech a Vones

UST Section, Division of Waste Management, NCDEO

cc: Environmental Health Director, Chatham County Health Department Ms. Angela Roach, GRI, Inc.

UST Regional Offices

Asheville (ARO) - 2090 US Highway 70, Swannanoa, NC 28778 (828) 296-4500

Fayetteville (FAY) - 225 Green Street, Suite 714, Systel Building, Fayetteville, NC 28301 (910) 433-3300

Mooresville (MOR) - 610 East Center Avenue, Suite 301, Mooresville, NC 28115 (704) 663-1699

Raleigh (RRO) - 1628 Mail Service Center, Raleigh, NC 27699 (919) 791-4200

Washington (WAS) - 943 Washington Square Mall, Washington, NC 27889 (252) 946-6481

Wilmington (WIL) - 127 Cardinal Drive Extension, Wilmington, NC 28405 (910) 796-7215

Winston-Salem (WS) - 450 West Hanes Mill Road, Suite 300, Winston-Salem, NC 27105, (336) 776-9800

Guilford County Environmental Health, 400 West Market Street, Suite 300, Greensboro, NC 27401, (336) 641-3771





PAT MCCRORY

DONALD R. VAN DER VAART

SCOTT MICHAEL
Acting Director

April 5, 2016

Mr. Shailesh Desai Quick Way Mart, Inc. 4 Raintree Court Greensboro, NC 27407

Re:

Notice of No Further Action 15A NCAC 2L .0407(d) Risk-based Assessment and Corrective Action for Petroleum Underground Storage Tanks

Quickie Way Mart 1322 East 11th Street, Siler City Chatham County Incident Number: 39615 Risk Classification: Low Ranking: L 60 R

Dear Mr. Desai:

The Soil Vapor Assessment Report for a second release was received by the UST Section, Division of Waste Management, Raleigh Regional Office on January 11, 2016 and the Notice of Residual Petroleum was received on July 7, 2010 for the first release (incident #16359). The review indicates that soil contamination does not exceed the lower of the soil-to-groundwater or residential maximum soil contaminant concentrations (MSCCs) established in Title 15A NCAC 2L .0411 and that groundwater contamination meets the cleanup requirements for an intermediate-risk site but exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202. Both incident number #16359 and #39615 are located at the same site.

The UST Section determines that no further action is warranted for this incident. All required actions have been completed. On July 7, 2010, the UST Section received a certified copy of the Notice of Residual Petroleum which is filed with the Register of Deeds. On April 4, 2016, the UST Section was provided with proof of receipt of the conditional Notice of No Further Action letter or of refusal by the addressee to accept delivery of the letter or with a description of the manner in which the letter was posted.

This determination shall apply unless the UST Section later finds that the discharge or release poses an unacceptable risk or a potentially unacceptable risk to human health or the environment. Pursuant to Title 15A NCAC 2L .0407(a), you have a continuing obligation to notify the Department of Environmental Quality of any changes that might affect the risk or land use classifications that have been assigned.

Be advised that as groundwater contamination exceeds the groundwater quality standards established in Title 15A NCAC 2L .0202, groundwater within the area of contamination or within the area where groundwater contamination is expected to migrate is not suitable for use as a water supply.

Interested parties may examine the Site Closure Report by contacting this regional office and may submit comments on the site to the regional office at the address or telephone number listed below.

This No Further Action determination applies only to the subject incident; for any other incidents at the subject site, the responsible party must continue to address contamination as required.

If you have any questions regarding this notice, please contact me at the address or telephone number listed below.

Sincerely,

Mark R. Powers

Hydrogeologist

Raleigh Regional Office

Mich alonae

UST Section, Division of Waste Management, NCDEQ

cc: Environmental Health Director, Chatham County Health Department Ms. Angela Roach, GRI, Inc.

Raleigh Regional Office | 1628 Mail Service Center | Raleigh, NC 27699-1628 | (919) 791-4200

Divider Page

Appendix D

Former Townsend Plant 1101 East Third Street Siler City, NC 27344

Inquiry Number: 4611581.9

May 06, 2016

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

05/06/16

Site Name: Client Name:

Former Townsend Plant Duncklee & Dunham, PC
1101 East Third Street 511 Keisler Drive Suite 102
Siler City, NC 27344 Cary, NC 27511



EDR Inquiry # 4611581.9 Contact: Russell Molyneux

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	Source
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2008	1"=500'	Flight Year: 2008	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1999	1"=750'	Flight Date: February, 15 1999	USGS
1993	1"=500'	Acquisition Date: January, 30 1993	USGS/DOQQ
1983	1"=500'	Flight Date: April, 04 1983	USGS
1980	1"=1000'	Flight Date: January, 01 1980	USGS
1973	1"=1000'	Flight Date: February, 24 1973	USGS
1965	1"=500'	Flight Date: February, 22 1965	USGS
1961	1"=500'	Flight Date: October, 16 1961	USGS

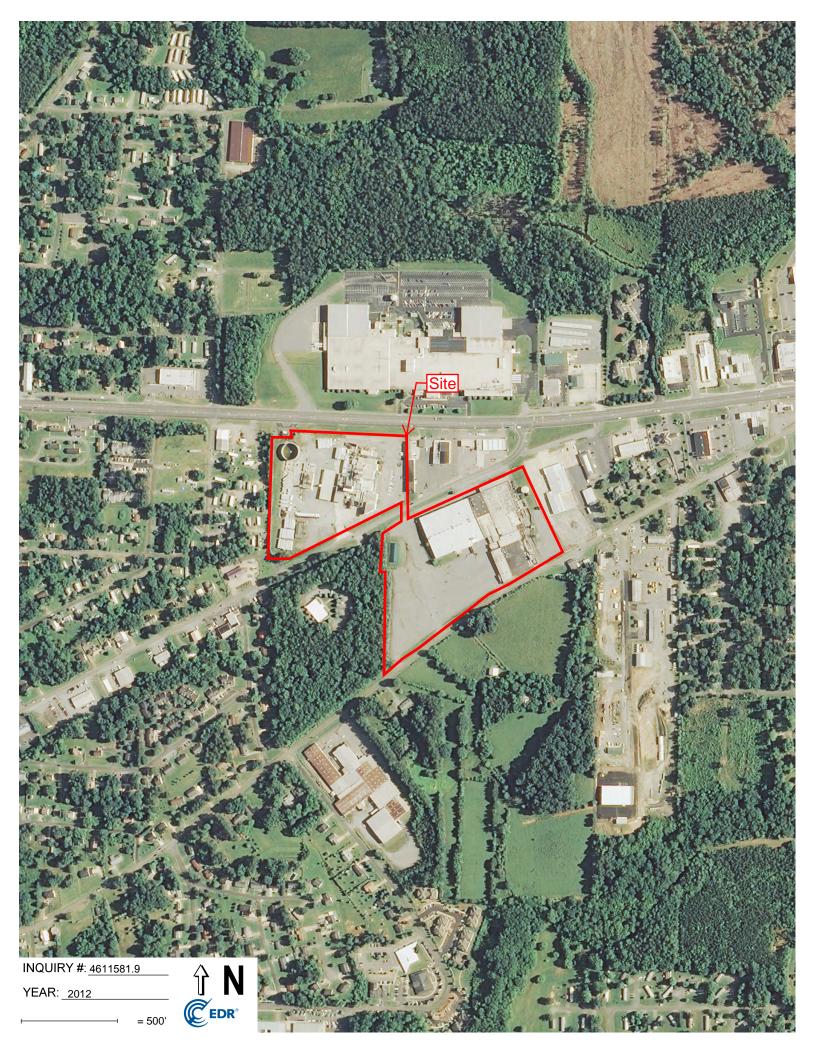
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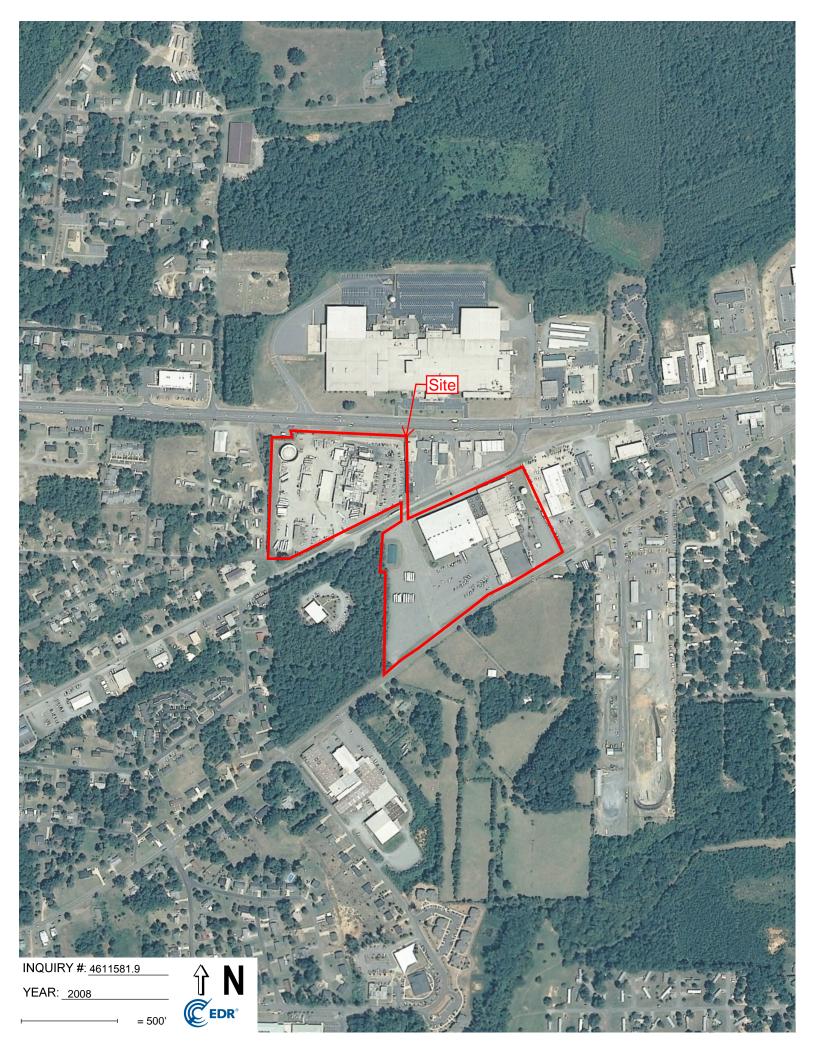
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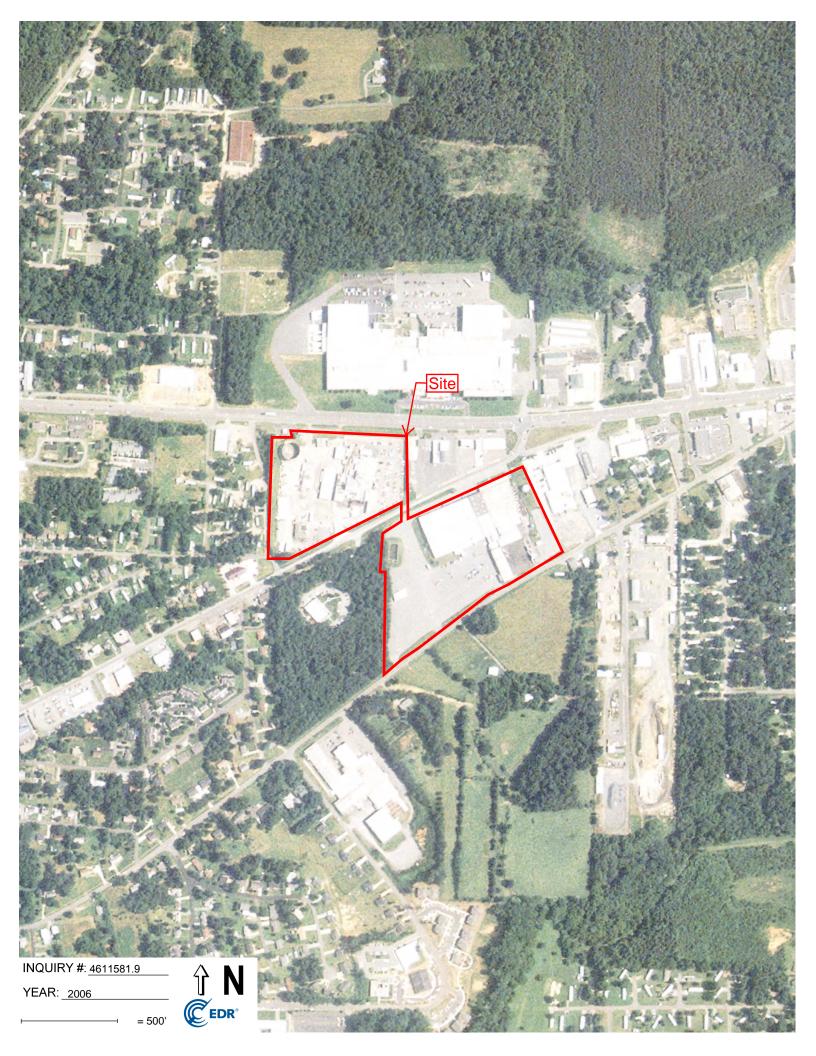
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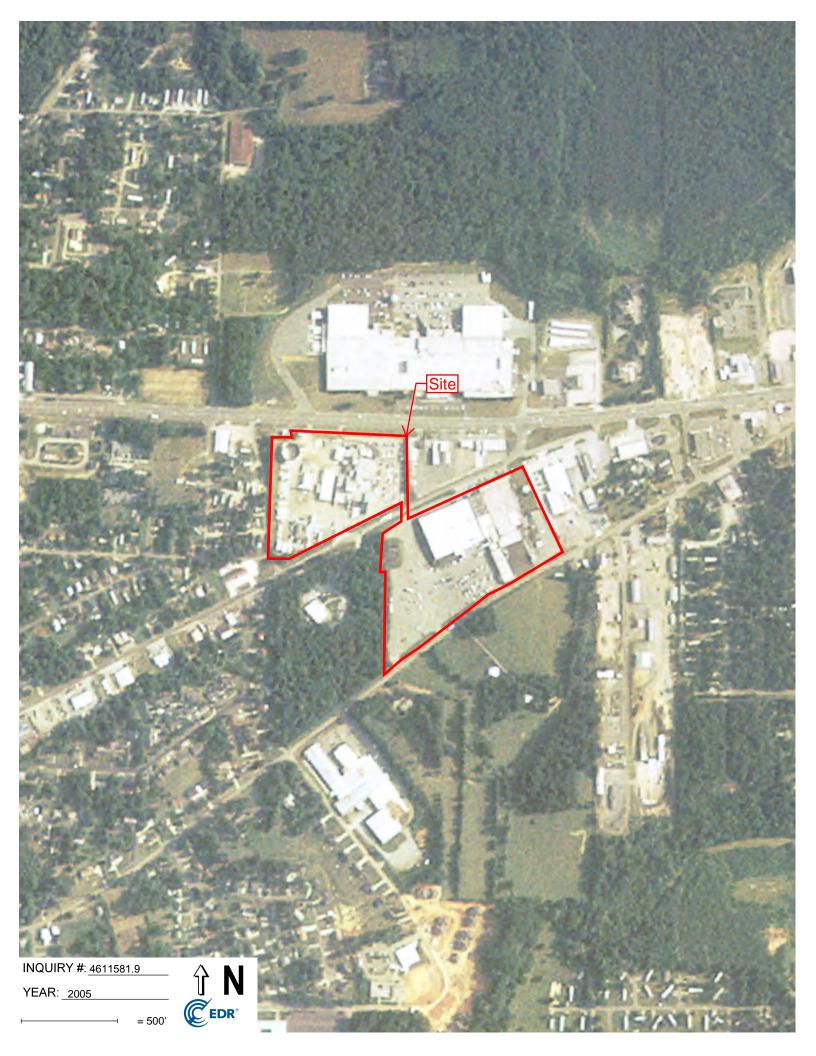




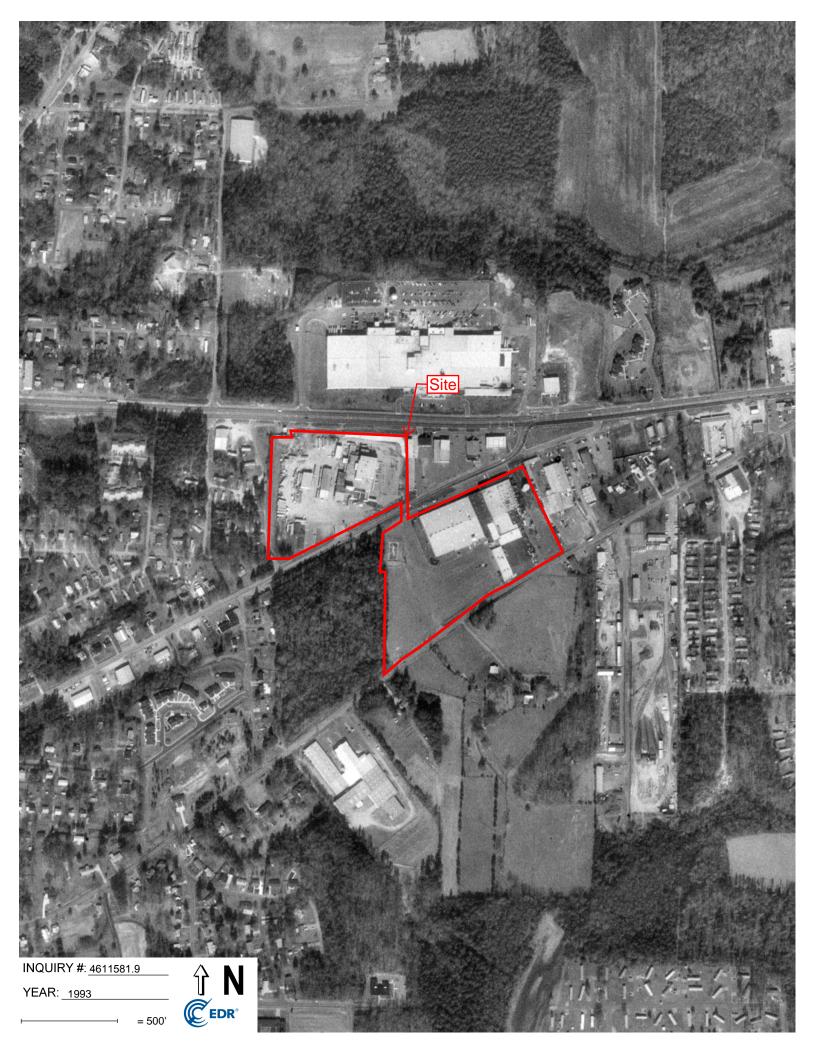










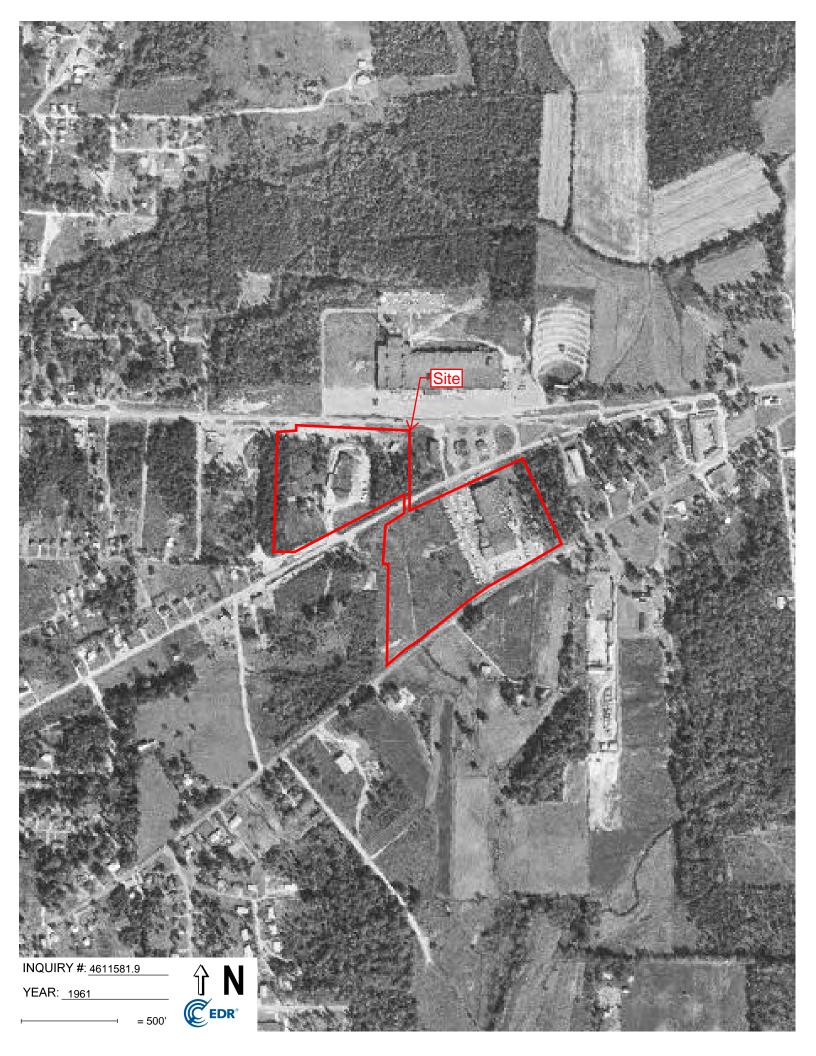












Appendix E

Former Townsend Plant 1101 East Third Street Siler City, NC 27344

Inquiry Number: 4611581.4

May 06, 2016

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

05/06/16

Site Name: Client Name:

Former Townsend Plant 1101 East Third Street Siler City, NC 27344 EDR Inquiry # 4611581.4

Duncklee & Dunham, PC 511 Keisler Drive Suite 102

Cary, NC 27511

Contact: Russell Molyneux



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Duncklee & Dunham, PC were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		Coordinates:	
P.O.#	201659	Latitude:	35.731855 35° 43' 55" North
Project:	Townsend Plant & A.M Wareho	Longitude:	-79.450155 -79° 27' 1" West
-		UTM Zone:	Zone 17 North
		UTM X Meters:	640160.66
		UTM Y Meters:	3955315.13
		Elevation:	602.19' above sea level

Maps Provided:

2013

1988

1969

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



Crutchfield Crossroads 2013 7.5-minute, 24000



Siler City 2013 7.5-minute, 24000

1988 Source Sheets

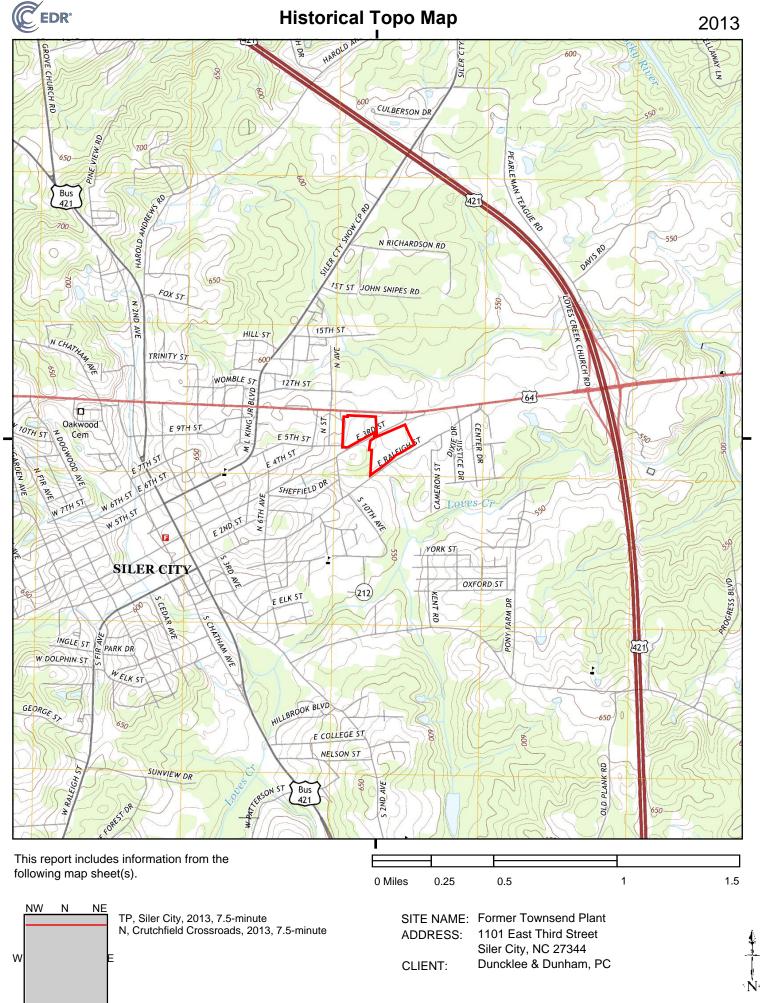


Siler City 1988 7.5-minute, 24000 Photo Inspected 1988 Aerial Photo Revised 1965

1969 Source Sheets



Siler City 1969 7.5-minute, 24000 Aerial Photo Revised 1965

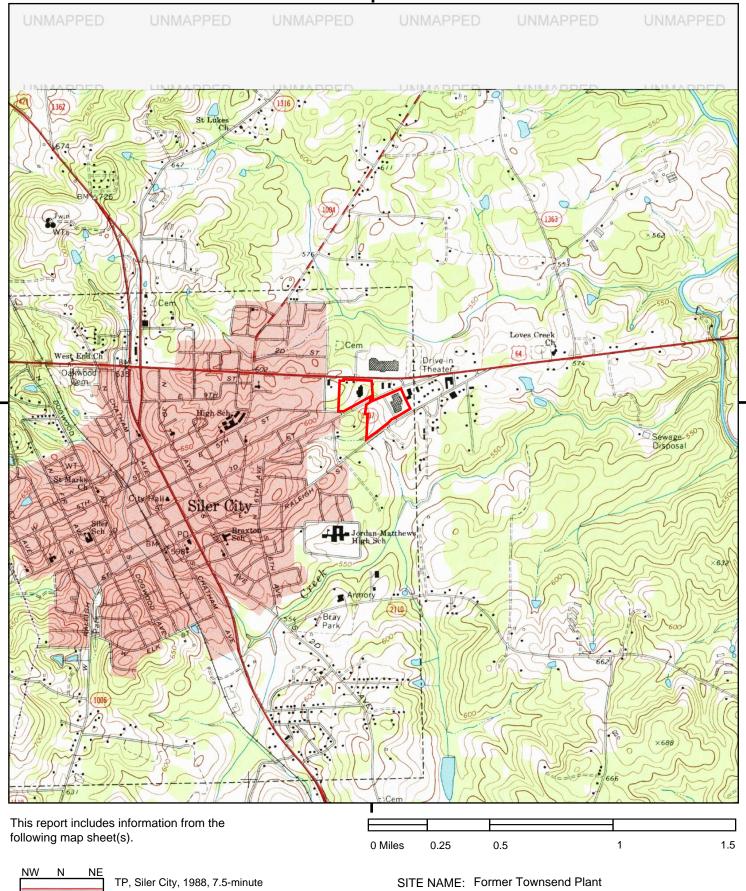


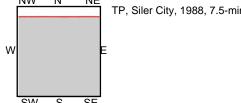
SW

S

SE







1101 East Third Street ADDRESS:

Siler City, NC 27344

Duncklee & Dunham, PC CLIENT:

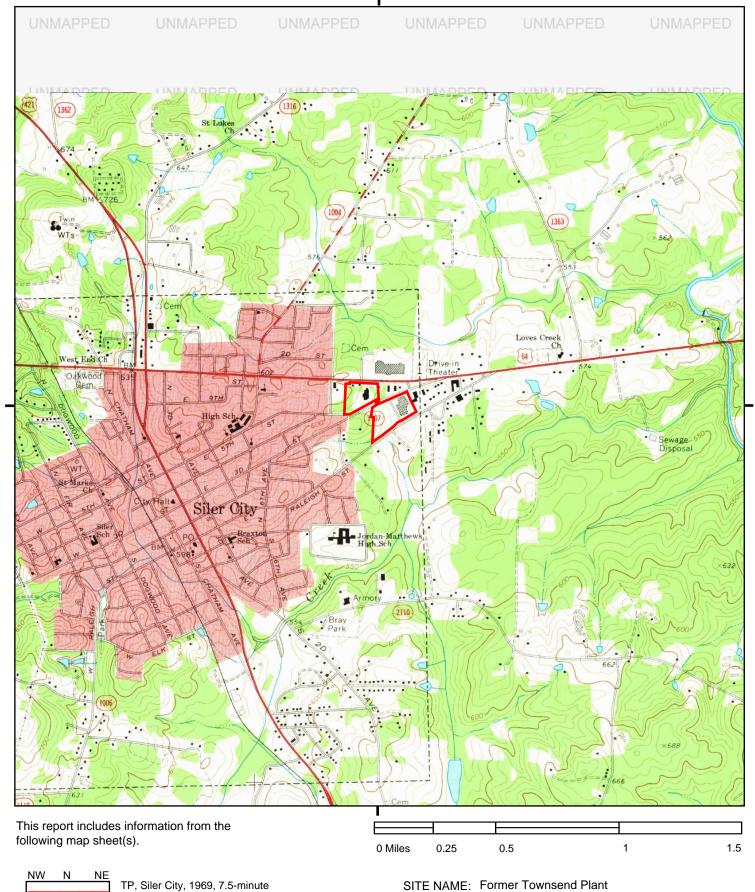




W

SW

S



4611581 - 4

1101 East Third Street

Duncklee & Dunham, PC

Siler City, NC 27344

ADDRESS:

CLIENT:

page 7

Appendix F

Former Townsend Plant

1101 East Third Street Siler City, NC 27344

Inquiry Number: 4611581.5

May 12, 2016

The EDR-City Directory Image Report



TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2013	$\overline{\checkmark}$	$\overline{\checkmark}$	Cole Information Services
2008		$\overline{\mathbf{V}}$	Cole Information Services
2003		$\overline{\mathbf{V}}$	Cole Information Services
1999		\square	Cole Information Services
1995		$\overline{\checkmark}$	Cole Information Services
1992	V	$\overline{\checkmark}$	Cole Information Services

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FINDINGS

TARGET PROPERTY STREET

1101 East Third Street Siler City, NC 27344

<u>Year</u>	CD Image	<u>Source</u>
E 3RD ST		
2042	na 40	Cala Information Comicae
2013	pg A2	Cole Information Services
2008	pg A4	Cole Information Services
2003	pg A6	Cole Information Services
1999	pg A8	Cole Information Services
1995	pg A10	Cole Information Services
1992	pg A12	Cole Information Services

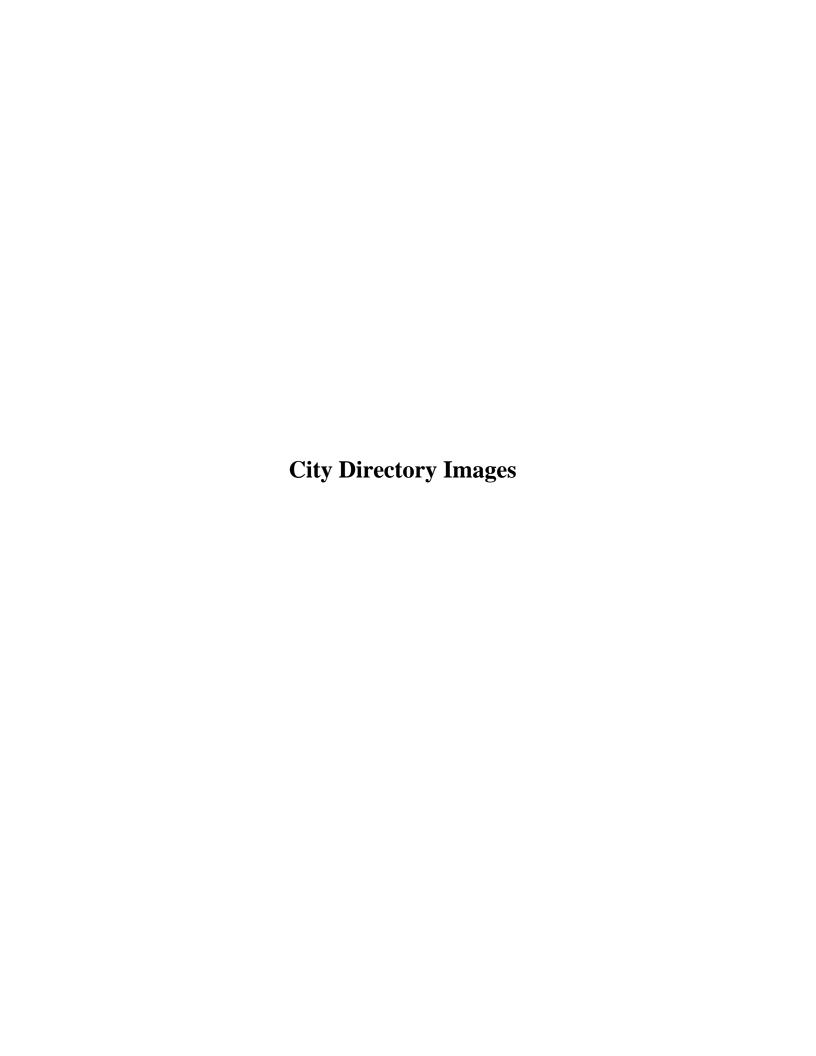
4611581-5 Page 2

FINDINGS

CROSS STREETS

<u>Year</u>	CD Image	<u>Source</u>
<u>E 11TH ST</u>		
0040	• •	
2013	pg. A1	Cole Information Services
2008	pg. A3	Cole Information Services
2003	pg. A5	Cole Information Services
1999	pg. A7	Cole Information Services
1995	pg. A9	Cole Information Services
1992	pg. A11	Cole Information Services

4611581-5 Page 3



<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- Cole Information Services

E 11TH ST 2013

201	KANGAROO EXPRESS
	PARK N SHOP 15
210	SPORTSMAN LANE
211	MARSH AUTO PARTS INC
218	CHATHAM P T A THRIFT SHOP
	SECOND CHANCES THRIFT STORE
220	GIFT GALLERY THE
	HAYLEY BALES STEAK HOUSE
324	CROSSROADS GRILL OF SILER CITY
325	HENRY BOGGS
327	LINDA MAPP
329	ALICIA URALDO
335	TOD EDWARDS
336	TUESDAY JONES
405	MILTON ROGERS

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information Services

	·	-		Cole illioillation Services
		E 3RD ST	2013	
802 805 806 807 811 812 813 819 822 1006 1100 1200	S & J PLUMBING & EL JERRY DAVIS TAR HEEL TIRE AUTO JULIO GARCIA LARRY GARCIA GLASS & WINDOW W CALIXTO HERNANDE OCCUPANT UNKNOW PREFERRED INSURA FIELDS BODY SHOP TOWNSENDS INC GLENDALE HOSIERY	O & RADIATOR SERV /AREHOUSE EZ VN ANCE COMPANY		

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- Cole Information Services

E 11TH ST 2008

201	PANTRY CORP
210	SPORTSMAN LANES
211	MARSH AUTO PARTS INC
	PANTRY INC
219	LOWES FOOD STORES INC
220	GTW FOOD & GIFTS
320	SERVICE DISTRIBUTING CO INC
	WILCO
324	CROSSROADS GRILL
325	BORIS SILER
327	RUTH MAPP
329	ALICIA URALDO
335	TOD EDWARDS
336	HARVEY HANNER
405	MARGUERITE MOFFITT-ROGERS

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information Services

E 3RD ST 2008

802 S & J PLUMBING & ELECTRICAL SUPPLY 805 LEONIDAS ESCOBAR 806 TARHILL TIRE & AUTO 307 JULIO GARCIA 811 ESTELA HERNANDEZ 813 CALIXTO HERNANDEZ 819 DIXON MOTORS WILLIAM DIXON 820 CHATHAM INDUSTRIAL SUPPLY 1006 FIELDS BODY SHOP 1200 ACME MCCRAPY CORP GLENDALE HOSIERY CO PHANTOM U S A		E 3RD ST	2008
	805 806 807 811 813 819	S & J PLUMBING & ELECTRICAL SUPPLY LEONIDAS ESCOBAR TARHILL TIRE & AUTO JULIO GARCIA ESTELA HERNANDEZ CALIXTO HERNANDEZ DIXON MOTORS WILLIAM DIXON CHATHAM INDUSTRIAL SUPPLY FIELDS BODY SHOP ACME MCCRARY CORP GLENDALE HOSIERY CO	

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- Cole Information Services

E 11TH ST 2003

201	WICKER MART INC
210	SPORTSMAN LANES
211	MARSH AUTO PARTS INC
214	SERVICE DISTRIBUTION CO
218	OCCUPANT UNKNOWN
220	FOXCO BUILDERS
	HAYLEY BALES STEAK HOUSE
320	SERVICE DISTRIBUTING CO
324	CROSS ROADS GRILL
	OCCUPANT UNKNOWN
325	BORIS SILER
327	RUTH MAPP
329	OCCUPANT UNKNOWN
335	ELIZABETH EDWARDS
336	OCCUPANT UNKNOWN
405	MARGUERITE MOFFITTROGERS
409	MADELINE GRAVES

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information Services

E 3RD ST 2003

801	EVERYDAY FURNITURE & RUGS
	JEANS BOUTIQUE
802	S & J PLUMBING & ELCTRCL SPLY
804	KIVETT AUTO REPAIR
805	DELBERT HOLT
807	JULIO GARCIA
811	TAYRA PEREZ
813	VALENTINO RODRIGUEZ
819	DIXON MOTORS
	WILLIAM DIXON
820	CENTRAL CAROLINA BUILDERS
822	ALLSTATE INSURANCE CO
	BUTCH HUDSON
	PREFERRED REALTY CO
901	VICTORIA CASTRO
1006	FIELDS BODY SHOP
	OCCUPANT UNKNOWN
1100	OCCUPANT UNKNOWN
	TOWNSEND INC
1101	TOWNSEND INC
1200	GLENDALE GROUP LTD
	OCCUPANT UNKNOWN
	PHANTOM GLENDALE INC

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- Cole Information Services

E 11TH ST 1999

201	WICKER MART INCORPORATED NO 1
210	SPORTSMAN LANES
211	MARSH AUTO PARTS INCORPORATED
214	SERVICE DISTRIBUTING COMPANY INCORPORATED STORE NO 2
218	CHATHAM P T A THRIFT SHOP
	P T A THRIFT SHOP CHATHAM
220	BESTFOOD CAFETERIA GIFT GALLERY THE
	BESTFOOD CAFETERIA HAYLEY BALES STEAK HOUSE
	BESTFOOD SUPERMARKET
	FOXCO BUILDERS
	GIFT GALLERY THE
	HAYLEY BALES STEAK HOUSE
324	CROSS ROADS GRILL
329	WILLIE SNIPES
335	TOD EDWARDS
336	JOE SILER
380	C WHITT
	CATELAND PLACE APARTMENTS
	CLAUDIA OCAMPO
	HELEN HAITHCOCK
	JACKIE WHITWORTH
	JOSE RAMIREZ
	JOYCE BROOKS
	MONROE SCOTT
405	M MOFFITTROGERS
	MOFFITT ROGERS MARGUERITE S

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information Services

E 3RD ST 1999

801	SALVATION ARMY THRIFT STORE
802	S & J PLUMBING & ELECTRICAL SUPPLY COMPANY
804	KIVETT AUTO REPAIR
805	DELBERT HOLT
806	COOKS RADIATOR SHOP
807	WILMER ESPINOZA
812	SHOFFNER BUILDING SUPPLY COMPANY INCORPORATED
813	OCCUPANT UNKNOWN
819	WILLIAM DIXON
820	CAROLINA TIRE COMPANY
822	ALL-STATE
	ALLSTATE INS COMPANIES SALES OFFICES SILER CITY
	ALLSTATE INSURANCE
	BUTCH HUDSON
	HUDSON BUTCH INS
	OCCUPANT UNKNOWN
	PREFERRED REALTY COMPANY
901	PEDRO CERVANTES
913	OCCUPANT UNKNOWN
1006	FIELDS BODY SHOP
1100	TOWNSENDS INCORPORATED
1200	GLENDALE HOSIERY COMPANY

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- Cole Information Services

E 11TH ST 1995

	E 11 I H S I	1995	
211	MARSH AUTO PARTS		
218	CHATHAM PTA THRIFT SHOP		
324	CROSS ROADS GRILL		
327	MAPP, RUTH C		
329	SNIPES, JOHN G		
335	EDWARDS, TOD R JR		
336	SILER, J M		
389	BROOKS, D		
405	ROGERS, MILTON		

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>

✓ - Cole Information Services

E 3RD ST 1995

802	S & J PLUMBING & ELECTRICAL CO
803	HOLT, LINDA K
804	KIVETT AUTO REPAIR
806	COOKS RADIATOR SHOP
807	AUGELLO, CHARLES
811	LEE, RICHARD
813	HERNANDEZ, CALIXTO
819	DIXON, WILLIAM H
820	CAROLINA TIRE CO
822	ALLSTATE INSURANCE
	HUDSON, BUTCH
4000	PREFERRED REALTY CO
1006	FIELDS BODY SHOP
1410	OCCUPANT UNKNOWNN
1490	EVERHART, JAMES C
1505	BOWDEN, JAMES P
	BUCKNER, M
	CARMICHAEL, PENNY S
	ELDRIDGE, JOHN
	GALLOWAY, CAROLYN
	GUNTER, CHRIS
	HARRINGTON, DONNIE
	HERMAN, K A HINSON, KENNETH A
	JOHNSON, BRYAN S
	MARSH, SHARON
	NEAL, WILLIAM L
	PAIGE, ELEANOR H
	PATTERSON, DANIEL
	POWELL, GLENN M
	RAGLAND, RICHARD
	RASHAD, RYAN
	RODGERS, S
	THOMAS, TINA H
	UNDERWOOD, JAMES M
	WAKEFIELD, P
	WHITE, MICHAEL
	WILSON, JAMES W SR
	THE OTHER PROPERTY OF THE PROP

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- Cole Information Services

E 11TH ST 1992

0	DEDCON DODEDTII		
0	PERSON, ROBERT H		
	SILER, MARY H		
325	BOGGS, PHYLLIS S		
329	SNIPES, JOHN G		
335	EDWARDS, TOD R JR		
336	SILER, J M		
405	MOFFITTROGERS, M S		
409	GRAVES, A JR		
501	MOFFITT, THOMAS		
625	FOXX, WILLIE		
910	FOXX, WALTER D		
911	WOMBLE, E G		
915	LUTTERLOH, CLYDE		
1103	SILER, RUTH		

Target Street Cross Street <u>Source</u> Cole Information Services

	I	E 3RD ST	1992	
803 811 813 819 1410 1490 1505	HOLT, LINDA K NETTLES, MONICA HILLIARD, WILLIAM C DIXON, WILLIAM H FOXX, RUTH EVERHART, JAMES C BECK, BOBBY L GALLOWAY, CAROLYN JOHNSON, BRYAN S OLDHAM, K D PATTERSON, DANIEL SMITH, B M TRUSCOTT, E H WALTERS, VIVIAN			
1515	SMITH, MARTHA C			

Appendix G

Former Townsend Plant 1101 East Third Street Siler City, NC 27344

Inquiry Number: 4611581.3

May 06, 2016

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor Shelton, CT 06484 Toll Free: 800.352.0050 www.edrnet.com

Certified Sanborn® Map Report

05/06/16

Site Name: Client Name:

Former Townsend Plant Duncklee & Dunham, PC 511 Keisler Drive Suite 102 1101 East Third Street Siler City, NC 27344

Cary, NC 27511

EDR Inquiry # 4611581.3 Contact: Russell Molyneux



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 837D-47C3-99FA

PO# 201659

Townsend Plant & A.M Warehouse **Project**

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results Certification #: 837D-47C3-99FA

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

Library of Congress

✓ University Publications of America

▼ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Appendix H

PHOTOGRAPHIC LOG



Client Name:

Site Location:

Project No.

Mountaire Farms of Delaware, Inc.

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

201659

Photo No.

Date: 5/9/2016

Direction of Photo:

Southeast



Description:

Former chickenprocessing plant

Photo No. Date: 2 5/9/2016

Direction of Photo:

Southwest

Description:

Office building and mobile home used for storage



PHOTOGRAPHIC LOG



Client Name:

Site Location:

Mountaire Farms of Delaware, Inc.

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 3 5/9/2016

Direction of Photo:

Southwest



Front entrance of former Acme McCrary warehouse



Photo No.

Date: 5/9/2016

Direction of Photo:

Northwest

Description:

Wastewater-retention pond



PHOTOGRAPHIC LOG



Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No.	Date:	
5	5/9/2016	
Direction of Photo:		

South



Former gasoline station adjacent to the plant



Photo No.

Date: 5/9/2016

Direction of Photo:

North

Description:

The Acme McCrary warehouse facility on the adjoining property to the north, as viewed from the roof of the plant





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016
Direction of Photo:

West



Relax Inn motel



Photo No. 8

Date: 5/9/2016

Direction of Photo:

South

Description:

Valvoline Express Care; the warehouse building is in the background





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

 Photo No.
 Date:

 9
 5/9/2016

Direction of Photo:

South



Star Petrol gasoline station and Quick Way Mart convenience store property



Photo No. Date: 10 5/9/2016

Direction of Photo:

South

Description:

Building occupied by Alvarado Jewelry #2, In Soccer, and the Vera Gala special event venue





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016
Direction of Photo:

Northwest

Description:

Hometown Cleaners



Photo No.

Date: 5/9/2016

Direction of Photo:

Southwest

Description:

Star Imports car repair





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016 13

Direction of Photo:

Southwest



Description:

Driveway entrance to Realty World office building

5/9/2016 14

Date:

Direction of Photo:

Southwest

Photo No.

Description:

Lynne's Fabrics; East Raleigh Street is in the foreground





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016 Direction of Photo:

North

Description:

Front entrance of the former chickenprocessing plant



 Photo No.
 Date:

 16
 5/9/2016

Direction of Photo:

Northwest

Description:

Former maintenance building on western side of plant





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016

Direction of Photo:

Northwest



Description:

Construction debris near the foundation pad for the water AST

 Photo No.
 Date:

 18
 5/9/2016

Direction of Photo:

Northeast

Description:

Construction debris and hypochlorite AST on the northern side of the plant





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 19 5/9/2016

Direction of Photo:

Southeast



Construction debris and ferrous sulfate and sodium hydroxide ASTS on the northern side of the maintenance building



Photo No. Date: 20 5/9/2016

Direction of Photo:

North

Description:

Construction debris on the western side of the maintenance building





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016

Direction of Photo:

Northeast



Stain surfaces at the freight elevator on the southern side of the plant



Photo No.

Date: 5/9/2016

Direction of Photo:

East

Description:

Hypochlorite AST on the northern side of the plant





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016

Direction of Photo:

South



Description:

Bisulfate and sodium chloride ASTs on the northern side of the plant

 Photo No.
 Date:

 24
 5/9/2016

Direction of Photo:

Interior

Description:

ASTs in the boiler room





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No. 201659

Photo No. 25

Date: 5/9/2016

Direction of Photo:

South



Location of USTs used to store chicken offal



Photo No. Date: 26 5/9/2016

Direction of Photo:

Northeast

Description:

Cover for one of the water-supply wells on the western side of the plant





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No. 201659

Photo No. 27

Date: 5/9/2016

Direction of Photo:

East

Description:

Northern side of the warehouse



Photo No.

Date: 5/9/2016

Direction of Photo:

Northeast

Description:

Asphalt-paved parking lot and warehouse





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No. 201659

Photo No.

Date: 5/9/2016

Direction of Photo:

Southwest



Northeastern side of warehouse, fuel oil AST, propane AST, and transformer



Photo No. Date: 30 5/9/2016

Direction of Photo:

North

Description:

Former location of the two large USTs used to fire boilers, and a cover for one of the monitoring wells. The fuel line from the fuel oil AST to the boilers is under the gravel.





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No. 201659

Photo No. 31

Date: 5/9/2016

Direction of Photo:

West



Two sets of fuel lines that enter the boiler room, and a flushmounted cover for a second monitoring well



Photo No.

Date: 5/9/2016

Direction of Photo:

Northeast

Description:

Loading dock adjacent to the gravel-covered area (on the right) that is the former location of the 500-gallon diesel UST; a flush-mounted cover for a monitoring well in the asphalt below stepped entrance to building





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No.	Date:
33	5/9/2016

Direction of Photo:

South



Description:

Flush-mounted monitoring well on asphalt paving adjacent to steps on the southeastern side of the warehouse

Photo No. 5/9/2016 34

Direction of Photo:

Date:

East

Description:

Subsurface vertical structures, assumed to be the pumping system for wastewater, on the southwestern side of the warehouse





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. 35

Date: 5/9/2016

Direction of Photo:

North



Description:

Canopy-covered area where chickens were unloaded from trucks at the plant

Photo No. Date: 36 5/9/2016

Direction of Photo:

Interior

Description:

Scalding room with floor drains





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. 37

Date: 5/9/2016

Direction of Photo:

Interior



Warehouse with floor drains



Photo No. 38

Date: 5/9/2016

Direction of Photo:

Interior

Description:

Interior of maintenance building





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No.

Date: 5/9/2016

Direction of Photo:

Interior



Description:

Metal cabinet with oneand five-gallon buckets of undetermined liquids; black stains on floor beneath cabinet

Photo No.

Date: 5/9/2016

Direction of Photo:

Interior

Description:

Former laboratory room in the maintenance shop





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No. 201659

Photo No. 41

Date: 5/9/2016

Direction of Photo:

Interior



Warehouse emptied of furnishings



Photo No.

Date: 5/9/2016

Direction of Photo:

Interior

Description:

Open area of warehouse





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No. 201659

Photo No.

Date: 05/2/2016

Direction of Photo:

Interior



Floor drains in a former textile-production area of the warehouse



Photo No.

Date: 5/9/2016

Direction of Photo:

Interior

Description:

A floor drain and stained floor in the warehouse





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016

Direction of Photo:

Interior



Description:

Air compressor with leakage of hydraulic fluid on the compressor housing and floor beneath

 Photo No.
 Date:

 46
 5/9/2016

Direction of Photo:

Interior

Description:

One of the boilers





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

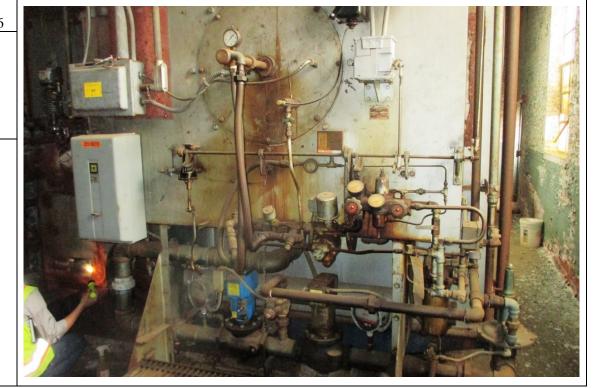
Project No.

201659

Photo No. Date: 5/9/2016

Direction of Photo:

Interior



Description:

The second boiler

 Photo No.
 Date:

 48
 5/9/2016

Direction of Photo:

Interior

Description:

Drums of boiler chemicals, covered with paint chips, in the boiler room





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. Date: 5/9/2016

Direction of Photo:

Interior

Description:

Paint chips on the floor of the warehouse



Photo No. 50

Date: 5/9/2016

Direction of Photo:

Interior

Description:

Overhead pipes wrapped with insulation





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No.

201659

Photo No. 51

Date: 05/2/2016

Direction of Photo:

Interior



Typical office in the warehouse



Photo No. 52

Date: 5/9/2016

Direction of Photo:

Interior

Description:

Carpet installed over floor tile in office; the carpet was wet





Client Name:

Mountaire Farms of Delaware, Inc.

Site Location:

Former Townsend Plant and Acme McCrary Warehouse Siler City, North Carolina

Project No. 201659

Photo No. 53

Date: 5/9/2016

Direction of Photo:

Interior



Possible mold on a wall in one of the offices



Photo No. Date: 5/9/2016

Direction of Photo:

Interior

Description:

Ballasts for fluorescent lights



Appendix I



511 KEISLER DRIVE - SUITE 102 CARY, NORTH CAROLINA 27518

(919) 858 - 9898 Website: www.dunckleedunham.com

DATE: 49/16	JOB NO. 20/659	PROJEC' NAME:	PMR NUNSOND PLANT	+ ACM E MECHANY WASE
SILERCITY		PRESENT AT SITE		HONDRICKS HARRIS
WEATHER: OVELCAST M		TEMPER & TIME:	ATURE 75°	W
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ARRIVAL TIME 1200		AM END PM TIME	1845	AM PM
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EMPTY.				
COPIES TO			FIELD REPOR	RT
Page/of	5	SIGNEI	Richard A Koll	



511 KEISLER DRIVE – SUITE 102 CARY, NORTH CAROLINA 27518 OFFICE: (919) 858 – 9898

Website: www.dunckleedunham.com

579/6	JOB NO. 20 1655	PROJECT NAME: RAMER TOWNS END PUNT
LOCATION:		PRESENT AT SITE:
WEATHER:		TEMPERATURE & TIME:
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TIME	PM	TIME
ARRIVAL	AM	END AM
TIME	PM	TIME PM

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	2ND BOILER IN "NEW" ROOM.		
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64st to.	Page of 5	SIGNED REPORT	



511 KEISLER DRIVE – SUITE 102 CARY, NORTH CAROLINA 27518 OFFICE: (919) 858 – 9898

Website: www.dunckleedunham.com

DATE: 5/9/16	JOB NO. 201659		NAME: FORMER DOWNSOND PLANT	
LOCATION:			PRESENT AT SITE:	
WEATHER:			TEMPERATURE & TIME:	
DEPARTURE		AM	SITE DEPARTURE	AM
TIME		PM	TIME	PM
ARRIVAL		AM	END	AM
TIME		PM	TIME	PM

TIME	PM	TIME			PM
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			FIELD RE Richard A	PORT	



511 KEISLER DRIVE – SUITE 102 CARY, NORTH CAROLINA 27518

OFFICE: (919) 858 – 9898 Website: www.dunckleedunham.com

DATE: 5/9/16	JOB NO. 201659		PROJECT NAME: FORMER TOWNSEND	PLANT
LOCATION:			PRESENT AT SITE:	
WEATHER:			TEMPERATURE & TIME:	
DEPARTURE		AM	SITE DEPARTURE	AM
TIME		PM	TIME	PM
ARRIVAL		AM	END	AM
TIME		PM	TIME	PM

THE FOLLOWING WAS NOTED: E OF GARLAGE, LIVE RECEIVING IN METALT WOOD BLOG. NOW REMOVED, SLAB KEMAINS, NATURAL GAS METER REMOVED, PATO TO N ALBNG BY FOR OFFINE TRUCKS. LOOK-GAR PROCESS YN TANK N OF BLOG, E OF OFFAN AMP. BAY W Z BOILGE - MEATOM ENT DRUMS. KEMICO SYSTEMS 9X 106 BTV/H. HOT WATER STORAGE TANK NEXT TO IT. IN BLOG-ADD TO WEST-MAINTENANCE. TO N. VARTT STORAGE, ALSO ANSOLE. "AS ACTIVATION" E OF MAINT, BLOG- Z ASTS - BISLIFATE & Na C! PAD W PUMPS TO PUMP WW - N OF MAINT, BLOG- GONG. OFFAN VSTS - CONCRETE. 12' TEEP, b' DIAMETER. HY O GENERAL SW PERMIT - NU SAMPLING RE QUIRE MENTS. VANTS W HONN WATER METERS [NCOMING FROM HOWN.
NATURAL GAS METER REMOVED, PATO TO N ALONG BY FOR OFFINE TRUCKS. NOOK-GAR PROCESS YN TANK NOF BUDG, E OF OFFIN PATO, BAY Y 2 BOILGE - NOCHAMENT DRUMS. KEMCO SYSTEMS 9X106 BTV/H. HOT WATER STORAGE TANK NEXT TO IT. IN GLOG-FADT TO WEST-MANTENANCE. TO N VARTY STORAGE, ALSO ANSOLE. "AS ACTIVADOR" E OF MMNY, BLOG- Z ASTS - BISULFATE & NACL PAD W PUMPS TO RUMP WW - N OF MANT. BLOG-GONG. OFFAR VSTS- CONCRETE. 12' DEEP, 6' DIAMETER. IF O GINEWAL SW PERMIT-NU SAMPLING RE QUIREM ENTS, VANLS W HOM WATER METERS INCOMING FROM TOWN.
NATURAL GAS METER REMOVED, PATO TO N ALONG BY FOR OFFINE TRUCKS. NOOK-GAR PROCESS YN TANK NOF BUDG, E OF OFFIN AMP. BAY Y 2 BOILGE - NOEARMENT DRUMS. KEMCO SYSTEMS 9X 106 BTV/H. HOT WATER STORAGE TANK NEXT TO IT. IN GLOG-ADT TO WEST-MANTENANCE. TO N VARITY STORAGE, ALSO ANSOLE. "AS ACTIVADOR" E OF MMNY, BLOG- Z ASTS - BISULFATE & NACL PAD W PUMPS TO RUMP WW - N OF MANT. BLOG-GONE. OFFAR VSTS - CONCRETE. 12' DEEP, 6' DIAMETER. IF O GINEWAL SW PERMIT - NU SAMPLING RE QUIREMENTS.
NATURAL GAS METER REMOVED, PATO TO N ALONG BY FOR OFFINE TRUCKS. NOOK-GAR PROCESS YN TANK NOF BUDG, E OF OFFIN AMP. BAY Y 2 BOILGE - NOEARMENT DRUMS. KEMCO SYSTEMS 9X 106 BTV/H. HOT WATER STORAGE TANK NEXT TO IT. IN GLOG-ADT TO WEST-MANTENANCE. TO N VARITY STORAGE, ALSO ANSOLE. "AS ACTIVADOR" E OF MMNY, BLOG- Z ASTS - BISULFATE & NACL PAD W PUMPS TO RUMP WW - N OF MANT. BLOG-GONE. OFFAR VSTS - CONCRETE. 12' DEEP, 6' DIAMETER. IF O GINEWAL SW PERMIT - NU SAMPLING RE QUIREMENTS.
OFFAL TRUCKS. NOOK-GAR PROCESS YN TANK NOF BLOG, E OF OFFAL PAPO, BAY M 2 BOILER - APERATMENT DRUMS. KEMICO SYSTEMS 9X106 BTV/H. HOT WATER STORAGE THANK NEXT TO IT. IN BLOG-THOS TO WEST-MANNERANCE. TO N. VARTS STORAGE, MSD MSOVE. "AS ACTIVATOR" E OF MMNY, BLOG- 2 ASTS - BISULFATE & Ma CI PAD W PUMPS TO RUMP WW - N OF MANNT, BLOG-GONG. OFFAL VSTS- CONCRETE. 12' DEEP, b' DIAMETER. HAD GENERAL SW PERMIT-NU SAMPLING RE BNIREMEATS. VANLY M HOWN WATER METERS INCOMING FROM HOWN.
OFFAL TRUCKS. NOOK-GAR PROCESS YN TANK NOF BLOG, E OF OFFAL PAPO, BAY M 2 BOILER - APERATMENT DRUMS. KEMICO SYSTEMS 9X106 BTV/H. HOT WATER STORAGE THANK NEXT TO IT. IN BLOG-THOS TO WEST-MANNERANCE. TO N. VARTS STORAGE, MSD MSOVE. "AS ACTIVATOR" E OF MMNY, BLOG- 2 ASTS - BISULFATE & Ma CI PAD W PUMPS TO RUMP WW - N OF MANNT, BLOG-GONG. OFFAL VSTS- CONCRETE. 12' DEEP, b' DIAMETER. HAD GENERAL SW PERMIT-NU SAMPLING RE BNIREMEATS. VANLY M HOWN WATER METERS INCOMING FROM HOWN.
E OF OFFER PAP. BAY W 2 BOILER - HERARMENT DRUMS. KEMICO SYSTEMS 9X 106 BTV/H. HOT WATER STORAGE TANK NEXT TO IT. IN BLOG-FADT TO WEST-MAJNERANCE. TO N. VARIT STORAGE, ALSO PISOLE. "AS ACTIVADO" E OF MMNY, BLOG- 2 ASTS - BISULFATE & Na CI PAD W PUMPS TO SUMP WW - N OF MANT, BLOG-GONE. OFFAR VSTS- CONCRETE. 12' DEEP, 6' DIAMETER. HAD GENERAL SW DEGINIT-NU SAMPLING RE QUIPEMENTS. VANLS W HOMN WATER METERS INCOMING FROM HOWN.
BAY M 2 BOILER - NOEATMENT DRUMS. KEMICO SMETEMS 9X106 BTV/H. HOT WATTER STORAGE TANK NEXT TO IT. IN BLOG-ADT TO WEST-MANNTENANCE. TO N VARTY STORAGE, MSO MISOUE. "AS ACTIVADON" E OF MMNY, BLOG- 2 ASTS - BISULFATE & Na CI PAD W PUMPS TO RUMP WW - N OF MANNT. BLOG- GONE. OFFAL VSTS- CONCRETE. 12' DEEP, 6' DIAMETER. IAD GINERON SW DEGUNIT-NU SAMPLING RE QUINE MEATS, VANLT W HOM WATER METERS INCOMING FROM TOWN.
KEMICO SYSTEMS 9X106 BTV/H. HOT WATER STORAGE TANK NEXT TOIT. IN BLOG-TADT TO WEST-MATRICANCE. TO N-VARTT STORAGE, ALSO ANSOLE. "AS ACTIVATOR" E OF MANNY, BLOG- Z ASTS - BISULFATE & Na CI PAD W PUMPS TO RUMP WW - N OF MANNT, BLOG-GONE. OFFAL VSTS- CONCRETE. 12' DEEP, 6' DIAMETEL. HAD GENERAL SW DEGUNIT-NU SAMPLING RE QUIREMENTS, VANLT M HOWN WATER METERS INCOMING FROM HOWN.
KEMICO SYSTEMS 9X106 BTV/H. HOT WATER STORAGE TANK NEXT TOIT. IN BLOG-TADT TO WEST-MATRICANCE. TO N-VARTT STORAGE, ALSO ANSOLE. "AS ACTIVATOR" E OF MANNY, BLOG- Z ASTS - BISULFATE & Na CI PAD W PUMPS TO RUMP WW - N OF MANNT, BLOG-GONE. OFFAL VSTS- CONCRETE. 12' DEEP, 6' DIAMETEL. HAD GENERAL SW DEGUNIT-NU SAMPLING RE QUIREMENTS, VANLT M HOWN WATER METERS INCOMING FROM HOWN.
TO IT. IN BLOG-1405 to WEST-MAINTENANCE. TO N-VARTS STORAGE, AZSO ABOVE. "AS ACTIVADON" E OF MMNY, BLOG- Z ASTS - BISULFATE & Na CI PAD W PUMPS TO RUMP WW - N OF MAINT. BLOG-GONE. OFFAL VSTS- CONCRETE. 12' DEEP, 6' DIAMETER. HAD GENERAL SW DEGINIT-NU SAMPLING REQUIREMENTS. VANLS M HOMN WATER METERS INCOMING FROM HOWN.
TO IT. IN BLOG-1405 to WEST-MAINTENANCE. TO N-VARTS STORAGE, AZSO ABOVE. "AS ACTIVADON" E OF MMNY, BLOG- 2 ASTS - BISULFATE & Na CI PAD W DUMPS TO DUMP WW - N OF MAINT. BLOG- GONE. OFFAL VSTS- CONCRETE. 12' DEEP, 6' DIAMETER. HAD GENERAL SW DEGINIT-NU SAMPLING RE QUIREMENTS. VANLS M HOWN WATER METERS INCOMING FROM HOWN.
STORAGE, AZSO ABOVE, "AS ACTIVATION" E OF MMNY, BLIDG- Z ASTS - BISULFATE & Na CI PAD W PUMPS TO RUMP WW - N OF MANT, BLIDG- GONE. OFFAR VSTS - CONCRETE. 12' DEEP, b' DIAMETER, IAD GENERAL SW DEGLIT - NU SAMPLING RE QUIREMENTS, VANLT W TONN WATER METERS, - INCOMING FROM HOWN.
"AS ACTIVATION" E OF MMNT, BLIDG- 2 ASTS - BISULFATE & Na CI PAD W PUMPS TO RUMP WW - N OF MANT, BLIDG- GONG. OFFAL VS73- CONCRETE. 12' DEEP, 6' DIAMETER. HAD GENERAL SW DEGLINIT-NU SAMPLING RE ONING MEATS, VANLY M HOWN WATER METERS INCOMING FROM HOWN.
E OF MMNT, BLDG- 2 ASTS - BISULFATE & Na CI PAD W PUMPS TO DUMP WW - A DIF MANT, BLDG-GONG. OFFAL VSTS- CONCRETE. 12' DEEP, b' DIAMETER. IAD GINGON SW DEMMIT-NU SAMPLING RE QUINE MENTS. VANT W HOWN WATER METERS INCOMING FROM HOWN.
PAD W DUMPS TO DUMP WW - A OF MAINT, BLDG-GONG. OFFAL VSTS- CONCRETE. 12' DEEP, b' DIAMETER. HAD GENERAL SW DESIMIT-NU SAMPLING RE QUINEMENTS. VANLT M HOWN WATER METERS INCOMING FROM HOWN.
OFFA VS73- CONCRETE. 12' DEEP, 6' DIAMETER, HAD GENERAL SW DEGLINT-NO SAMPLING RE QUINEMENTS, VANLT M HOWN WATER METERS - INCOMING FROM HOUN.
OFFA VS73- CONCRETE. 12' DEEP, 6' DIAMETER, HAD GENERAL SW DEGLINT-NO SAMPLING RE QUINEMENTS, VANLT M HOWN WATER METERS - INCOMING FROM HOUN.
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014/100 1171 111111111111111111111111111111
SMALL FLAM. CABINET - 41602 CAMS
Page 4 of 5 SIGNED Richard A KOW

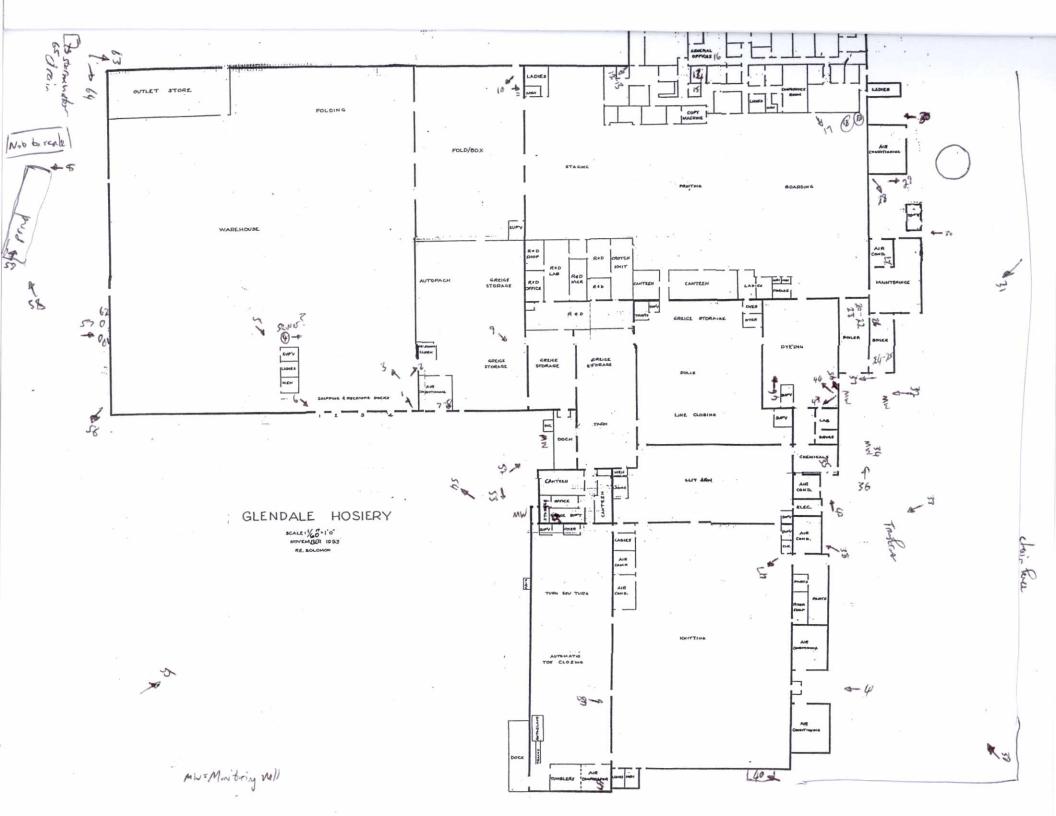


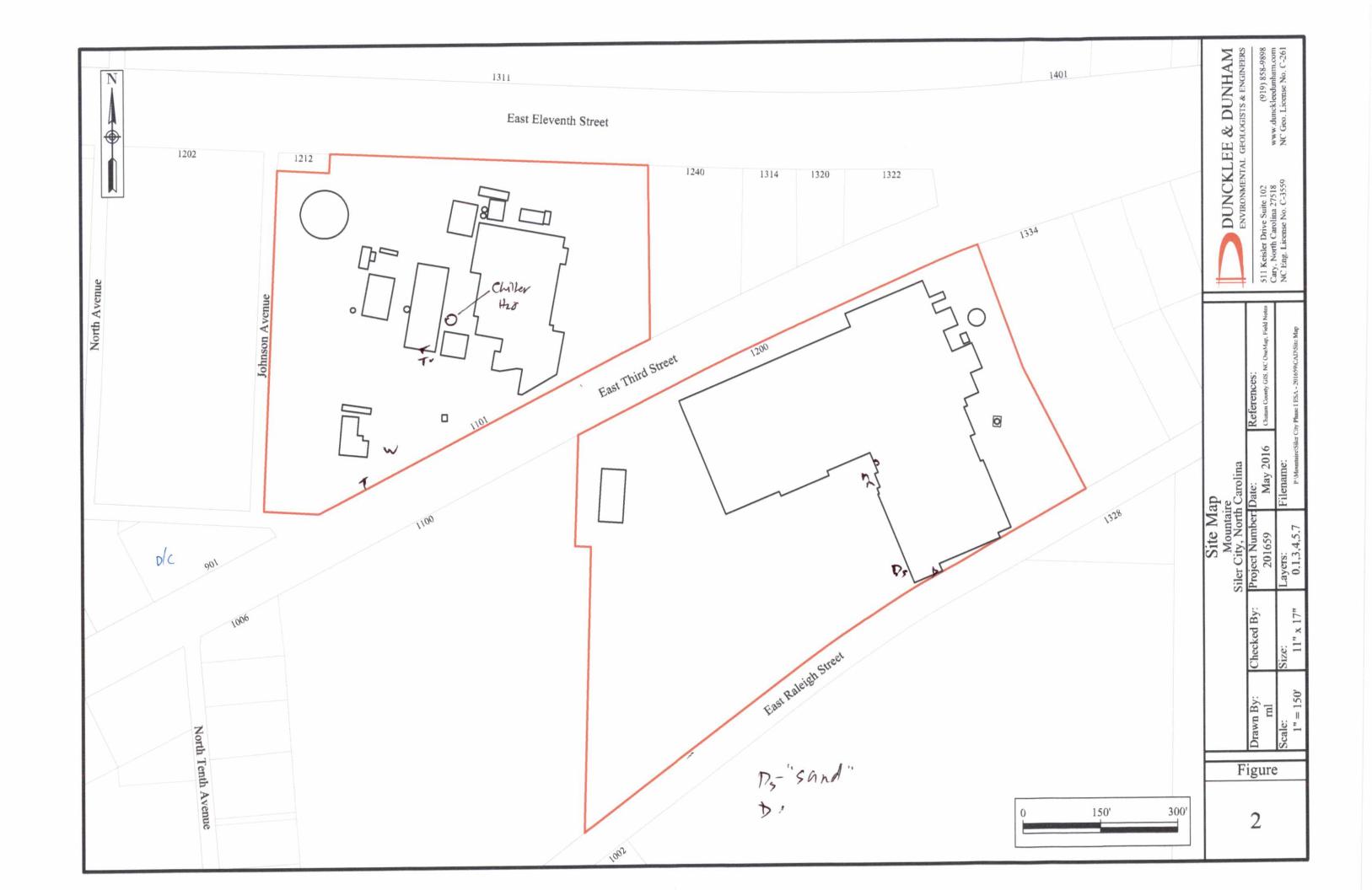
511 KEISLER DRIVE – SUITE 102 CARY, NORTH CAROLINA 27518 OFFICE: (919) 858 – 9898

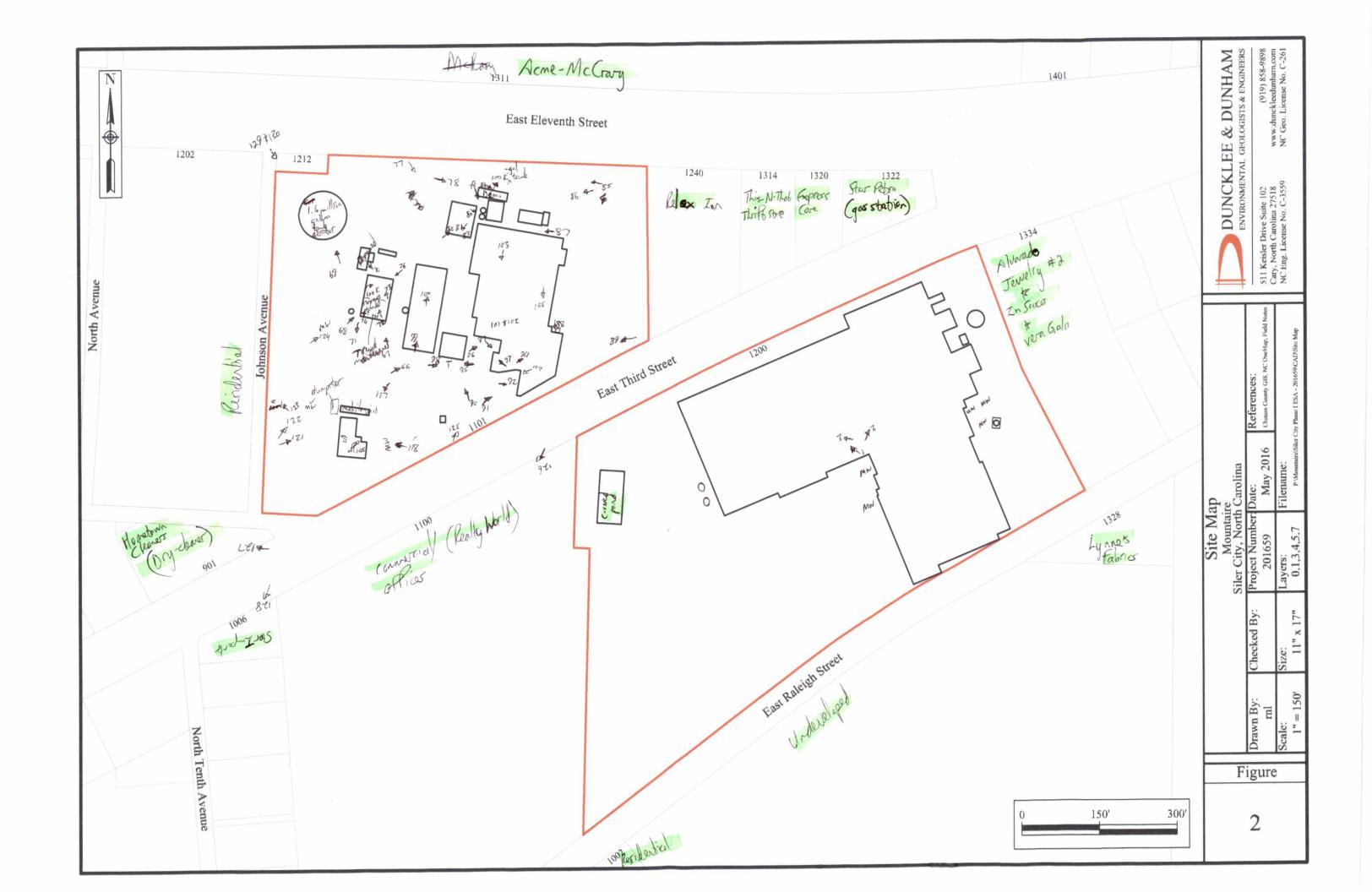
Website: www.dunckleedunham.com

DATE: 5/9/16	JOB NO. 201659		NAME: FORMER TOWNSEND PLAN	1
LOCATION:			PRESENT AT SITE:	
WEATHER:			TEMPERATURE & TIME:	
DEPARTURE	1	AM	SITE DEPARTURE	AM
TIME	I	PM	TIME	PM
ARRIVAL	1	AM	END	AM
TIME	I	PM	TIME	PM

THE FOLLOWING WAS NOTED:
BOXES, STAMPS ON PAD,
2MD trans N Of NON-PCG TRANS - NO DCB LASEZ
Proon prevenes me DRAN TO OFFAR. Q.S., IN SCALDERS.
PRECAST CONCRETE WALLS
JIM 3 WELLS ON PROPERTY
poloph celling.
TOWN GENT OPERATED 20 MILL BEFORE BANKRUPTCY.
FINISHED SITE VISIT 1530, START DRIVE WALK AROUND. FINISH TOUR, RENPN TO OFFICE @ 1845,
COPIES TO FIELD REPORT
Page 5 of 5 SIGNED Prohand A Wolf







```
1-3 - varehouse
    alotani - a
  5 - supply room & restrooms in waveforse
6 - 4x loading decks (spring assist)
                                                                                        54- localing bours on 5 side.
                                                                                       55- facility looking de
56- parking lot, s
  7-8 - averted pipe technological
  10 - fold/box area
                                                                                       58- Pord , N
                                                                                       59- irride pard
(1) Paint chippings on Hoor
                                                                                       60 - side of pend; W
 14- possible asbedre bile
                                                                                      6 - large naviole with pump on top.
  15- possible mild or moder parel wall
                                                                                     62 - long mulile
 16 reb carpet on tile floor
                                                                                     63 - N side Phulding , NE
                                                                                     64 - Wride Phuldin; 5
  17 - boarding area
  18 - Pipe insulation
                                                                                     65 - Stormarter cabelness that has settled
 ( )- Fluorescent light bellets
 zi - drums is boiler com
 22 - Full drum beside blue drums
 23- NaOH-labeled drum
25 - Fuel oil pump
27 - compressor in dd beilercon
28 - building beside numberares som
30- Old 187 storage:
 31- Es. de F 6/dg
 32 - 2× MW Plush nowted)
33 - Progress Enogy Transformer (no. P(B)
 34-MW eNS
35-2xglassjings (Pull)
36 - Mu in to regrowl; gravel were the form tower ; pipes whoring silding from tower
 37 - Fill god to floor down
 25 - part of wall cool out & air conditioning .
 39 - E side Philding
 40 - Contained storage for 2x ASTS
 42 - "Fillport"
45th dye room with four dairs
47 - Floor drains in knitting warfouse.
48- white pendag stains on floor around expension into the floor drain 49- Black drain in air compressor poon
50+51-floor tiles
53-Monor side bld; S
```

```
66 - chicker plant unbading area, rt
          67 - truck mainterage garage;
         68 - Former Ast location, wride bld; NE
69 - Nordation Externation trul; NW
         70 - ASTS about of truck maintenance bldg; SE
         7) - Mobile office unit; 5
         72 - Tamb maintenance tacility
         73 - Truck memberana Paility
        75 - "Dayler" rebul how will distins in bruck reinberence; black
stairs or concrete floor.
         76 Truck maintenanably, 5W
         77 - Wride of Luilding; SE
         78 - Norida of building; E
        79-2×AST:5
        80 - 2x white drums in garage
       81 - large rilion /stainless shoul ASTS
       82 - Boile Flower but (P)
      83 Pastic somerer or Part in numberale ram
      84 - Denotre ATT E
     85 - Nside plat; 5W
     86 - Neide plant; SW
      87 - loading/valeading wea; W
      88 - UST NEW CORNER Polyis
     89 - Sside bldg; W
      90 - 5 side bldg; NW
     91 - 5 side Holding; NE
     92 - 4x l-adiry bays
    93- Eld compressor rooms Planmabe contrat
    94 - averteal amonia pipes with Art in background.
   95- Transferner , w
   97 - Circulator AST; SE
  98 - photo of extravelormer; E
 97 - loading area (); N
 100 - Scalding run/warhouse with zo their drains
101+1-2-Parchaix inscall area
104 - stipping declare
```

106 - dia uprairs) 107 - lockers (uptails) 108 - Porplan on wall ystais 109 - Mare of iping in rootlep, SE 110-114 - Ricks places on rootop 115\$116 - 2x plates in som or roof. 117 - admin office ?). SW 120 - Commonarea (Conference room) 121- Mobile office units + durpeter, NE 172 - MW, truck mainbranabld, nobile office units, dumpster,
173 - eleg fore?, NW , por for sourtage sever and the exter 124 - MW (saitory sever over; sor side of minteracce blog). NE 125 - Promberbrance; M 126-1100 EThird A; SW 127- Monetown Dry-cleaners; NW 128- Sor Inports; SW 129 \$ 130 - 1212 € 11 dl 50, old par station; 5€ \$5 131 - Relax Inn; W 132-64press Care; 5 133 - Star Petro; W 134 - Front of Par Loviery bld 135 - Alvarado Jenelry #2, Insoccer, Vera Galo; 5 137 - Lynne's Fabrics

Divider Page

Rick Kolb

From: Rick Kolb <rkolb@dunckleedunham.com>

Sent: Tuesday, May 24, 2016 9:06 AM rkolb@dunckleedunham.com

Subject: Interview with Danny Powers (336) 953-5080

Scott Harris gave me Danny's name as someone who might know details of the Acre McCrary warehouse. However, Danny said he had not worked there. He works for the present owner of the site, Charles Gardener, who Danny said bought the site in 2012. He said Charles did not have an environmental site assessment conducted when he purchased the site, buying it "as is", and that he bought the building for use as a warehouse. He said Acme McCrary used the building for warehouse space, but never used it for manufacturing of textiles. He said the AST on the eastern side of the site, next to the transformer, was used to store fuel oil for the boilers. When Mr. Gardener purchased the site, he had an oil company empty the AST of fuel oil.

Richard A. Kolb, L.G.

Senior Geologist
Duncklee & Dunham, P.C.
511 Keisler Drive, Suite 102
Cary, North Carolina 27518
Office: (919) 858-9898 X210
Mobile: (919) 624-6362
rkolb@dunckleedunham.com

www.dunckleedunham.com



Duncklee & Dunham, P.C

Telephone Log

Job Name: Former Townsend Plant and Acme McCrary

Warehouse Phase I ESA Job No.: 201659

Date/Time: 05/23/2016 **Phone No.:** (919) 742-2323

To: Siler City Fire Department From: Russell Molyneux

Reference: Request information pertaining to responses to fires or spills of hazardous chemicals or petroleum

Duncklee & Dunham (D&D) placed a telephone call to Fire Marshal Charlie McLaurin at the Siler City Fire Department at 14:00 on May 23, 2016. Fire Marshal McLaurin could not recall any responses to fires or spills of petroleum or hazardous chemicals at the subject site.

Rick Kolb

From: Rick Kolb <rkolb@dunckleedunham.com>

Sent: Thursday, May 26, 2016 9:19 AM rkolb@dunckleedunham.com

Subject: Telephone interview with Jim Hendrick

1. Jim is not aware of environmental concerns at the site other than the USTs.

- 2. Two of the water-supply wells were used on and off as needed. The third well, between the office building and guard shack, didn't product adequate water and was never completed or used.
- 3. The office building was constructed for use as offices. The trailer next to the office building was used to store paper records.
- 4. Wastewater was pretreated with two dissolved air floatation (DAF) systems. After running the wastewater through one system, the water was stored in the 1.6 million gallon AST and an aerator in the tank reduced BOD, and then the water went through a second DAF system.
- 5. One offal UST was used for feathers and the second UST was used for the internal parts of the chicken. Trucks would back up to these USTs and would remove the wastes from these USTs with an auger system.

Richard A. Kolb, L.G.

Senior Geologist Duncklee & Dunham, P.C. 511 Keisler Drive, Suite 102 Cary, North Carolina 27518 Office: (919) 858-9898 X210 Mobile: (919) 624-6362

Mobile: (919) 624-6362 rkolb@dunckleedunham.com www.dunckleedunham.com



Appendix J

RICHARD A. KOLB, L.G., SENIOR GEOLOGIST

Rick Kolb completed a Bachelor of Arts degree with honors in geology from the University of Montana and a Master of Arts degree in geology from the University of Texas at Austin. He is a Licensed Geologist in North Carolina, a Certified Professional Geologist in Virginia, and a Registered Professional Geologist in South Carolina with 25 years of experience in conducting environmental site assessments, UST and dry-cleaners site assessments, closures, and associated remediation programs. His project experience includes sites in nearly every state in the United States.

Fields of Competence

- Managed, provided technical review, and/or conducted over 3,000 Phase I Environmental Site Assessments at locations across the United States and in Puerto Rico and Mexico.
- Project Manager and principal for site assessments related to releases of petroleum products, hazardous
 waste, and agricultural chemicals from underground and aboveground storage tank systems, dry cleaners,
 textile plants, wastewater lagoons, and unknown sources
- Interaction with regulatory personnel in both the regional and central offices of the North Carolina Department of Environment and Natural Resources (NCDENR).

Professional Associations

- North Carolina Board for the Licensing of Geologists, Chair board member that represents the consulting community
- Association of Environmental & Engineering Geologists Student Liaison and past chair of the Carolinas Section
- North Carolina Bar Association, Environment, Energy and Natural Resources Section Associate Member and Co-chair of the Cleanup and Waste Programs committee for the section
- Carolina Geological Society

Key Assignments

PHASE I ENVIRONMENTAL SITE ASSESSMENTS. Mr. Kolb has conducted, managed, and/or provided technical review for thousands of Phase I Environmental Site Assessments (ESAs) at commercial, residential, industrial, institutional, and agricultural sites, both occupied and abandoned, and at undeveloped sites. He is an Environmental Professional as defined in 40 CFR 312.10 and conducts Phase I ESAs at Duncklee & Dunham for private corporations and the public sector, including those conducted under EPA Brownfield grants.

PHASE II ENVIRONMENTAL SITE ASSESSMENTS. Mr. Kolb has conducted and/or managed Phase II Environmental Site Assessments at hundreds of sites, through which he has gained knowledge of the regulatory requirements of NCDENR's regulatory programs and familiarity with the staff. He has conducted UST closures, Limited Site Assessments and Comprehensive Site Assessments under NCDENR's UST program, and remedial investigations under NCDENR's Superfund program. Mr. Kolb was the Project Manager and Principal for the NCDENR's Green Square project in downtown Raleigh with his previous employer, when they conducted a Phase I Environmental Site Assessment and Environmental Assessment at the site and discovered that a dry cleaner had occupied part of the site in the past. Subsequently, he prepared a Phase II Remedial Investigation (RI) Work Plan for soil and groundwater contamination, implemented the work plan, prepared a Phase II Soils RI report and Remedial Action Plan (RAP), and implemented the soils RAP.

PROJECT AND PROGRAM MANAGER FOR DRY-CLEANING SITES. Mr. Kolb served as Program Manager from 2005-2009 for the contract between MACTEC (now AMEC Foster Wheeler) and NCDENR's Dry-Cleaning Solvent Cleanup Program. In this role, he was the primary contact with NCDENR personnel for projects across the state that were assigned to MACTEC. He also served as Project Manager and Principal for those projects assigned to the Raleigh office.

Appendix K

Table 1 Summary of Laboratory Test Results, Groundwater Samples Former Acme McCrary Warehouse Siler City, North Carolina

Sample Identification —	\longrightarrow	MW-1	L	MW-2	2	MW-3	3	MW-4	1	MW-5	5	MW-	6
Parameter	Groundwater Quality Standards	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q	Value	Q
		Volatil	e Org	anic Comp	ounds	- EPA 826	0B						
Acrolein	NE	< 8.87	J4	< 8.87	J4	< 8.87	J4	< 8.87	J4	< 8.87	J4	< 8.87	J4
Dichlorodifluoromethane	1 mg/L	< 0.551	J4	< 0.551	J4	< 0.551	J4	< 0.551	J4	< 0.551	J4	< 0.551	J4
		Semivola	tile O	rganic Com	poun	ds - EPA 82	270D						
Bis(2-ethylhexyl)phthalate	3	1.07	B, J	1.06	B, J	1.07	B, J	1.04	B, J	1.12	B, J	1.05	B, J
Di-n-butyl phthalate	NE	0.741	B, J	0.730	B, J	0.794	B, J	0.801	B, J	0.804	B, J	0.803	B, J
Di-n-octyl phthalate	100	< 0.278		0.981	B, J	< 0.278		< 0.278		1.01	B, J	< 0.278	B, J
	Volatile d	and Extract	able I	Petroleum H	Hydro	carbons - M	<i>IADE</i>	P Methods					
C5-C8 Aliphatics	400	<9.31		9.83	B, J	11.5	B, J	10.8	B, J	< 9.31		<9.31	
C9-C18 Aliphatics	700	36.8	B, J	33.1	B, J	35.2	B, J	30.4	B, J	48.0	B, J	36.6	B, J
C19-C36 Aliphatics	10 mg/L	14.7	B, J	17.6	B, J	17.2	B, J	16.3	B, J	20.9	B, J	20.3	B, J
C9-C22 Aromatics	200	20.7	B, J	20.4	B, J	22.2	B, J	20.3	B, J	48.4	B, J	20.8	B, J

Notes:

Samples collected on May 17, 2016

All results in µg/L except C19-C36 aliphatics and dichlorodifluoromethane

North Carolina groundwater quality standards as defined in 15A NCAC 2L .0202

NE - Groundwater quality standard not established

Qualifiers:

 $Q = Laboratory\ Qualifier$

J = The identification of the analyte is acceptable; the reported value is an estimate

J4 = The associated batch QC was outside the established quality control range for accuracy

B = The same analyte is found in the associated blank

Divider Page



ANALYTICAL REPORT



Duncklee and Dunham

Sample Delivery Group: L836194

Samples Received: 05/18/2016

Project Number: 201659

Description: Mount Aire

Site: SILER CITY, NC

Report To: Rick Kolb

PO Box 639

Cary, NC 27512

Entire Report Reviewed By:

Jimmy Hunt

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the historitopy. Where applicable, simpling conducted by ISC is performed per guidance provided in laboratory standard operating procedures; 663902, 060033, and 060004.

TABLE OF CONTENTS

¹ Cp: Cov	er Page
² Tc: Tabl	e of Contents
³Ss: Sam	ple Summary
⁴Cn: Cas	e Narrative
⁵Sr: Sam	ple Results
MW-1	L836194-01
MW-2	L836194-02
MW-3	L836194-03
MW-4	L836194-04
MW-5	L836194-05



















⁹Sc: Chain of Custody

MW-6 L836194-06

⁶Qc: Quality Control Summary

Volatile Petroleum Hydrocarbons by Method MADEPV

Volatile Organic Compounds (GC/MS) by Method 8260B

Semi-Volatile Organic Compounds (GC) by Method MADEPE

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

21 **24**

24

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SAMPLE SUMMARY

ONE	ΙΔΒ	ΝΔΤΙ	MINOL	/IDE

MW-1 L836194-01 GW			Collected by Kevin Kelt	Collected date/time 05/17/16 12:07	Received date/time 05/18/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG873225	1	05/18/16 20:59	05/19/16 06:14	JF
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/19/16 21:31	AAT
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/20/16 01:21	AAT
Volatile Organic Compounds (GC/MS) by Method 8260B	WG873662	1	05/18/16 20:27	05/18/16 20:27	DAH
Volatile Petroleum Hydrocarbons by Method MADEPV	WG873474	1	05/18/16 17:12	05/18/16 17:12	DAH
MW-2 L836194-02 GW			Collected by Kevin Kelt	Collected date/time 05/17/16 16:25	Received date/time 05/18/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	•
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG873225	1	05/18/16 20:59	05/19/16 06:37	JF
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/19/16 21:52	AAT
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/20/16 01:00	AAT
Volatile Organic Compounds (GC/MS) by Method 8260B	WG873662	1	05/18/16 20:44	05/18/16 20:44	DAH
Volatile Petroleum Hydrocarbons by Method MADEPV	WG873474	1	05/18/16 17:45	05/18/16 17:45	DAH
MW-3 L836194-03 GW			Collected by Kevin Kelt	Collected date/time 05/17/16 19:20	Received date/time 05/18/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG873225	1	05/18/16 20:59	05/19/16 07:01	JF
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/19/16 22:13	AAT
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/20/16 00:39	AAT
Volatile Organic Compounds (GC/MS) by Method 8260B	WG873662	1	05/18/16 21:01	05/18/16 21:01	DAH
Volatile Petroleum Hydrocarbons by Method MADEPV	WG873474	1	05/18/16 18:18	05/18/16 18:18	DAH
MW-4 L836194-04 GW			Collected by Kevin Kelt	Collected date/time 05/17/16 17:30	Received date/time 05/18/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG873225	1	05/18/16 20:59	05/19/16 07:24	JF
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/19/16 22:34	AAT
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/20/16 00:18	AAT
Volatile Organic Compounds (GC/MS) by Method 8260B	WG873662	1	05/18/16 21:19	05/18/16 21:19	DAH
Volatile Petroleum Hydrocarbons by Method MADEPV	WG873474	1	05/18/16 18:51	05/18/16 18:51	DAH
MW-5 L836194-05 GW			Collected by Kevin Kelt	Collected date/time 05/17/16 17:55	Received date/time 05/18/16 09:00





















Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Semi-Volatile Organic Compounds (GC) by Method MADEPE

Semi-Volatile Organic Compounds (GC) by Method MADEPE

Volatile Organic Compounds (GC/MS) by Method 8260B

Volatile Petroleum Hydrocarbons by Method MADEPV

Method

Batch

WG873225

WG873851

WG873851

WG873662

WG873474

Dilution

1

1

1

Preparation

date/time

05/18/16 20:59

05/19/16 13:24

05/19/16 13:24

05/18/16 21:36

05/18/16 19:24

Analysis

date/time

05/19/16 07:48

05/19/16 22:55

05/19/16 23:57

05/18/16 21:36

05/18/16 19:24

Analyst

JF

AAT

AAT

DAH

DAH



MW-6 L836194-06 GW			Collected by Kevin Kelt	Collected date/time 05/17/16 18:25	05/18/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG873225	1	05/18/16 20:59	05/19/16 08:11	JF
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/19/16 23:16	AAT
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG873851	1	05/19/16 13:24	05/19/16 23:36	AAT
Volatile Organic Compounds (GC/MS) by Method 8260B	WG873662	1	05/18/16 21:53	05/18/16 21:53	DAH
Volatile Petroleum Hydrocarbons by Method MADEPV	WG873474	1	05/18/16 19:57	05/18/16 19:57	DAH





















All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



















Technical Service Representative

ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 12:07

Volatile Petroleum Hydrocarbons by Method MADEPV

	-						
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Volatile Petroleum Hydrocarbons	U		10.8	100	1	05/18/2016 17:12	WG873474
C5-C8 Aliphatics	U		9.31	100	1	05/18/2016 17:12	WG873474
C9-C12 Aliphatics	16.8	BJ	7.80	100	1	05/18/2016 17:12	WG873474
C9-C10 Aromatics	20.7	BJ	10.8	100	1	05/18/2016 17:12	WG873474
(S) 2,5-Dibromotoluene(FID)	101			70.0-130		05/18/2016 17:12	WG873474
(S) 2,5-Dibromotoluene(PID)	101			70.0-130		05/18/2016 17:12	WG873474











	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	05/18/2016 20:27	WG873662
Acrolein	U	<u>J4</u>	8.87	50.0	1	05/18/2016 20:27	WG873662
Acrylonitrile	U		1.87	10.0	1	05/18/2016 20:27	WG873662
Benzene	U		0.331	1.00	1	05/18/2016 20:27	WG873662
Bromobenzene	U		0.352	1.00	1	05/18/2016 20:27	WG873662
Bromodichloromethane	U		0.380	1.00	1	05/18/2016 20:27	WG873662
Bromoform	U		0.469	1.00	1	05/18/2016 20:27	WG873662
Bromomethane	U		0.866	5.00	1	05/18/2016 20:27	WG873662
n-Butylbenzene	U		0.361	1.00	1	05/18/2016 20:27	WG873662
sec-Butylbenzene	U		0.365	1.00	1	05/18/2016 20:27	WG873662
ert-Butylbenzene	U		0.399	1.00	1	05/18/2016 20:27	WG873662
Carbon tetrachloride	U		0.379	1.00	1	05/18/2016 20:27	WG873662
Chlorobenzene	U		0.348	1.00	1	05/18/2016 20:27	WG873662
Chlorodibromomethane	U		0.327	1.00	1	05/18/2016 20:27	WG873662
Chloroethane	U		0.453	5.00	1	05/18/2016 20:27	WG873662
2-Chloroethyl vinyl ether	U		3.01	50.0	1	05/18/2016 20:27	WG873662
Chloroform	U		0.324	5.00	1	05/18/2016 20:27	WG873662
Chloromethane	U		0.276	2.50	1	05/18/2016 20:27	WG873662
-Chlorotoluene	U		0.375	1.00	1	05/18/2016 20:27	WG873662
-Chlorotoluene	U		0.351	1.00	1	05/18/2016 20:27	WG873662
,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	05/18/2016 20:27	WG873662
,2-Dibromoethane	U		0.381	1.00	1	05/18/2016 20:27	WG873662
Dibromomethane	U		0.346	1.00	1	05/18/2016 20:27	WG873662
,2-Dichlorobenzene	U		0.349	1.00	1	05/18/2016 20:27	WG873662
,3-Dichlorobenzene	U		0.220	1.00	1	05/18/2016 20:27	WG873662
,4-Dichlorobenzene	U		0.274	1.00	1	05/18/2016 20:27	WG873662
Dichlorodifluoromethane	U	<u>J4</u>	0.551	5.00	1	05/18/2016 20:27	WG873662
,1-Dichloroethane	U	_	0.259	1.00	1	05/18/2016 20:27	WG873662
,2-Dichloroethane	U		0.361	1.00	1	05/18/2016 20:27	WG873662
,1-Dichloroethene	U		0.398	1.00	1	05/18/2016 20:27	WG873662
cis-1,2-Dichloroethene	U		0.260	1.00	1	05/18/2016 20:27	WG873662
rans-1,2-Dichloroethene	U		0.396	1.00	1	05/18/2016 20:27	WG873662
,2-Dichloropropane	U		0.306	1.00	1	05/18/2016 20:27	WG873662
,1-Dichloropropene	U		0.352	1.00	1	05/18/2016 20:27	WG873662
,3-Dichloropropane	U		0.366	1.00	1	05/18/2016 20:27	WG873662
is-1,3-Dichloropropene	U		0.418	1.00	1	05/18/2016 20:27	WG873662
ans-1,3-Dichloropropene	U		0.419	1.00	1	05/18/2016 20:27	WG873662
,2-Dichloropropane	U		0.321	1.00	1	05/18/2016 20:27	WG873662
)i-isopropyl ether	U		0.320	1.00	1	05/18/2016 20:27	WG873662
thylbenzene	U		0.384	1.00	1	05/18/2016 20:27	WG873662
lexachloro-1,3-butadiene	U		0.256	1.00	1	05/18/2016 20:27	WG873662
sopropylbenzene	U		0.326	1.00	1	05/18/2016 20:27	WG873662
o-Isopropyltoluene	U		0.350	1.00	1	05/18/2016 20:27	WG873662
2-Butanone (MEK)	U		3.93	10.0	1	05/18/2016 20:27	WG873662
Methylene Chloride	U		1.00	5.00	1	05/18/2016 20:27	WG873662









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ACCOUNT: DATE/TIME: PROJECT: SDG: Duncklee and Dunham 201659 L836194 05/20/16 15:19

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Collected date/time: 05/17/16 12:07

L836194

Volatile Organic Compounds (GC/MS) by Method 8260B

		MDL	RDL	Dilution	Analysis	<u>Batch</u>
ug/l		ug/l	ug/l		date / time	
U		2.14	10.0	1	05/18/2016 20:27	WG873662
U		0.367	1.00	1	05/18/2016 20:27	WG873662
U		1.00	5.00	1	05/18/2016 20:27	WG873662
U		0.349	1.00	1	05/18/2016 20:27	WG873662
U		0.307	1.00	1	05/18/2016 20:27	WG873662
U		0.385	1.00	1	05/18/2016 20:27	WG873662
U		0.130	1.00	1	05/18/2016 20:27	WG873662
U		0.303	1.00	1	05/18/2016 20:27	WG873662
U		0.372	1.00	1	05/18/2016 20:27	WG873662
U		0.780	5.00	1	05/18/2016 20:27	WG873662
U		0.230	1.00	1	05/18/2016 20:27	WG873662
U		0.355	1.00	1	05/18/2016 20:27	WG873662
U		0.319	1.00	1	05/18/2016 20:27	WG873662
U		0.383	1.00	1	05/18/2016 20:27	WG873662
U		0.398	1.00	1	05/18/2016 20:27	WG873662
U		1.20	5.00	1	05/18/2016 20:27	WG873662
U		0.807	2.50	1	05/18/2016 20:27	WG873662
U		0.373	1.00	1	05/18/2016 20:27	WG873662
U		0.321	1.00	1	05/18/2016 20:27	WG873662
U		0.387	1.00	1	05/18/2016 20:27	WG873662
U		0.259	1.00	1	05/18/2016 20:27	WG873662
U		1.06	3.00	1	05/18/2016 20:27	WG873662
108			90.0-115		05/18/2016 20:27	WG873662
107			79.0-121		05/18/2016 20:27	WG873662
107			80.1-120		05/18/2016 20:27	WG873662
	U U U U U U U U U U U U U U U U U U U	U U U U U U U U U U U U U U U U U U U	U 2.14 U 0.367 U 1.00 U 0.349 U 0.307 U 0.385 U 0.130 U 0.303 U 0.372 U 0.780 U 0.780 U 0.355 U 0.319 U 0.383 U 0.398	U 2.14 10.0 U 0.367 1.00 U 1.00 5.00 U 0.349 1.00 U 0.307 1.00 U 0.385 1.00 U 0.130 1.00 U 0.303 1.00 U 0.372 1.00 U 0.780 5.00 U 0.230 1.00 U 0.355 1.00 U 0.319 1.00 U 0.383 1.00 U 0.398 1.00 U 0.398 1.00 U 0.373 1.00 U 0.373 1.00 U 0.321 1.00 U 0.387 1.00 U 0.387 1.00 U 0.259 1.00 U 0.259 1.00 U 0.259 1.00 00 0.00 0.00	U 2.14 10.0 1 U 0.367 1.00 1 U 1.00 5.00 1 U 0.349 1.00 1 U 0.307 1.00 1 U 0.385 1.00 1 U 0.130 1.00 1 U 0.303 1.00 1 U 0.372 1.00 1 U 0.780 5.00 1 U 0.230 1.00 1 U 0.335 1.00 1 U 0.335 1.00 1 U 0.335 1.00 1 U 0.372 1.00 1 U 0.372 1.00 1 U 0.383 1.00 1 U 0.383 1.00 1 U 0.398 1.00 1	U 2.14 10.0 1 05/18/2016 20:27 U 0.367 1.00 1 05/18/2016 20:27 U 1.00 5.00 1 05/18/2016 20:27 U 0.349 1.00 1 05/18/2016 20:27 U 0.307 1.00 1 05/18/2016 20:27 U 0.385 1.00 1 05/18/2016 20:27 U 0.130 1.00 1 05/18/2016 20:27 U 0.303 1.00 1 05/18/2016 20:27 U 0.372 1.00 1 05/18/2016 20:27 U 0.372 1.00 1 05/18/2016 20:27 U 0.380 5.00 1 05/18/2016 20:27 U 0.230 1.00 1 05/18/2016 20:27 U 0.3319 1.00 1 05/18/2016 20:27 U 0.383 1.00 1 05/18/2016 20:27 U 0.383 1.00 1 05/18/2016 20:27 U 0.398 1.00 1 05/18/2016 20:27 U 0.399 1.00 1 05/18/2016 20:27 U 0.399 1.00 1 05/18/2016 20:27 U 0.399 1.00 1 05/18/2016 20:27 U 0.397 1.00 1 05/18/2016 20:27

Semi-Volatile Organic Compounds (GC) by Method MADEPE

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Extractable Petroleum Hydrocarbon	34.7	<u>J</u>	33.0	100	1	05/20/2016 01:21	WG873851
C9-C18 Aliphatics	20.0	<u>B J</u>	14.0	100	1	05/19/2016 21:31	WG873851
C19-C36 Aliphatics	14.7	<u>B J</u>	8.53	100	1	05/19/2016 21:31	WG873851
C11-C22 Aromatics	U		21.1	100	1	05/20/2016 01:21	WG873851
(S) o-Terphenyl	79.9			40.0-140		05/20/2016 01:21	WG873851
(S) 1-Chloro-octadecane	66.9			40.0-140		05/19/2016 21:31	WG873851
(S) 2-Fluorobiphenyl	100			40.0-140		05/20/2016 01:21	WG873851
(S) 2-Bromonaphthalene	93.2			40.0-140		05/20/2016 01:21	WG873851

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acenaphthene	U		0.316	1.00	1	05/19/2016 06:14	WG873225
Acenaphthylene	U		0.309	1.00	1	05/19/2016 06:14	WG873225
Anthracene	U		0.291	1.00	1	05/19/2016 06:14	WG873225
Benzidine	U		4.32	10.0	1	05/19/2016 06:14	WG873225
Benzo(a)anthracene	U		0.0975	1.00	1	05/19/2016 06:14	WG873225
Benzo(b)fluoranthene	U		0.0896	1.00	1	05/19/2016 06:14	WG873225
Benzo(k)fluoranthene	U		0.355	1.00	1	05/19/2016 06:14	WG873225
Benzo(g,h,i)perylene	U		0.161	1.00	1	05/19/2016 06:14	WG873225
Benzo(a)pyrene	U		0.340	1.00	1	05/19/2016 06:14	WG873225
Bis(2-chlorethoxy)methane	U		0.329	10.0	1	05/19/2016 06:14	WG873225
Bis(2-chloroethyl)ether	U		1.62	10.0	1	05/19/2016 06:14	WG873225
Bis(2-chloroisopropyl)ether	U		0.445	10.0	1	05/19/2016 06:14	WG873225
4-Bromophenyl-phenylether	U		0.335	10.0	1	05/19/2016 06:14	WG873225
2-Chloronaphthalene	U		0.330	1.00	1	05/19/2016 06:14	WG873225

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Collected date/time: 05/17/16 12:07

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Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch	
Analyte	ug/l		ug/l	ug/l		date / time		
4-Chlorophenyl-phenylether	U		0.303	10.0	1	05/19/2016 06:14	WG873225	
Chrysene	U		0.332	1.00	1	05/19/2016 06:14	WG873225	
Dibenz(a,h)anthracene	U		0.279	1.00	1	05/19/2016 06:14	WG873225	
3,3-Dichlorobenzidine	U		2.02	10.0	1	05/19/2016 06:14	WG873225	
2,4-Dinitrotoluene	U		1.65	10.0	1	05/19/2016 06:14	WG873225	
2,6-Dinitrotoluene	U		0.279	10.0	1	05/19/2016 06:14	WG873225	
Fluoranthene	U		0.310	1.00	1	05/19/2016 06:14	WG873225	
Fluorene	U		0.323	1.00	1	05/19/2016 06:14	WG873225	
Hexachlorobenzene	U		0.341	1.00	1	05/19/2016 06:14	WG873225	
Hexachloro-1,3-butadiene	U		0.329	10.0	1	05/19/2016 06:14	WG873225	
Hexachlorocyclopentadiene	U		2.33	10.0	1	05/19/2016 06:14	WG873225	
Hexachloroethane	U		0.365	10.0	1	05/19/2016 06:14	WG873225	
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	05/19/2016 06:14	WG873225	
Isophorone	U		0.272	10.0	1	05/19/2016 06:14	WG873225	
Naphthalene	U		0.372	1.00	1	05/19/2016 06:14	WG873225	
Nitrobenzene	U		0.367	10.0	1	05/19/2016 06:14	WG873225	
n-Nitrosodimethylamine	U		1.26	10.0	1	05/19/2016 06:14	WG873225	
n-Nitrosodiphenylamine	U		0.304	10.0	1	05/19/2016 06:14	WG873225	
n-Nitrosodi-n-propylamine	U		0.403	10.0	1	05/19/2016 06:14	WG873225	
Phenanthrene	U		0.366	1.00	1	05/19/2016 06:14	WG873225	
Benzylbutyl phthalate	U		0.275	3.00	1	05/19/2016 06:14	WG873225	
Bis(2-ethylhexyl)phthalate	1.07	ВJ	0.709	3.00	1	05/19/2016 06:14	WG873225	
Di-n-butyl phthalate	0.741	ВJ	0.266	3.00	1	05/19/2016 06:14	WG873225	
Diethyl phthalate	U		0.282	3.00	1	05/19/2016 06:14	WG873225	
Dimethyl phthalate	U		0.283	3.00	1	05/19/2016 06:14	WG873225	
Di-n-octyl phthalate	U		0.278	3.00	1	05/19/2016 06:14	WG873225	
Pyrene	U		0.330	1.00	1	05/19/2016 06:14	WG873225	
1,2,4-Trichlorobenzene	U		0.355	10.0	1	05/19/2016 06:14	WG873225	
4-Chloro-3-methylphenol	U		0.263	10.0	1	05/19/2016 06:14	WG873225	
2-Chlorophenol	U		0.283	10.0	1	05/19/2016 06:14	WG873225	
2,4-Dichlorophenol	U		0.284	10.0	1	05/19/2016 06:14	WG873225	
2,4-Dimethylphenol	U		0.624	10.0	1	05/19/2016 06:14	WG873225	
4,6-Dinitro-2-methylphenol	U		2.62	10.0	1	05/19/2016 06:14	WG873225	
2,4-Dinitrophenol	U		3.25	10.0	1	05/19/2016 06:14	WG873225	
2-Nitrophenol	U		0.320	10.0	1	05/19/2016 06:14	WG873225	
4-Nitrophenol	U		2.01	10.0	1	05/19/2016 06:14	WG873225	
Pentachlorophenol	U		0.313	10.0	1	05/19/2016 06:14	WG873225	
Phenol	U		0.334	10.0	1	05/19/2016 06:14	WG873225	
2,4,6-Trichlorophenol	U		0.297	10.0	1	05/19/2016 06:14	WG873225	
(S) 2-Fluorophenol	40.1			10.0-77.9		05/19/2016 06:14	WG873225	
(S) Phenol-d5	28.7			5.00-70.1		05/19/2016 06:14	WG873225	
(S) Nitrobenzene-d5	58.9			21.8-123		05/19/2016 06:14	WG873225	
(S) 2-Fluorobiphenyl	64.9			29.5-131		05/19/2016 06:14	WG873225	

















57.0

73.5

(S) 2,4,6-Tribromophenol

(S) p-Terphenyl-d14

11.2-130

29.3-137

05/19/2016 06:14

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ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 16:25

Volatile Petroleum Hydrocarbons by Method MADEPV

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Volatile Petroleum Hydrocarbons	U		10.8	100	1	05/18/2016 17:45	WG873474
C5-C8 Aliphatics	9.83	<u>B J</u>	9.31	100	1	05/18/2016 17:45	WG873474
C9-C12 Aliphatics	16.4	<u>B J</u>	7.80	100	1	05/18/2016 17:45	WG873474
C9-C10 Aromatics	20.4	<u>B J</u>	10.8	100	1	05/18/2016 17:45	WG873474
(S) 2,5-Dibromotoluene(FID)	102			70.0-130		05/18/2016 17:45	WG873474
(S) 2,5-Dibromotoluene(PID)	103			70.0-130		05/18/2016 17:45	WG873474











Valatila Organic Compounds (GC/MS) by Mathad 9260B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	ug/l		ug/l	ug/l		date / time	
cetone	U		10.0	50.0	1	05/18/2016 20:44	WG873662
Acrolein	U	<u>J4</u>	8.87	50.0	1	05/18/2016 20:44	WG873662
crylonitrile	U	_	1.87	10.0	1	05/18/2016 20:44	WG873662
Benzene	U		0.331	1.00	1	05/18/2016 20:44	WG873662
Bromobenzene	U		0.352	1.00	1	05/18/2016 20:44	WG873662
Bromodichloromethane	U		0.380	1.00	1	05/18/2016 20:44	WG873662
Bromoform	U		0.469	1.00	1	05/18/2016 20:44	WG873662
Bromomethane	U		0.866	5.00	1	05/18/2016 20:44	WG873662
-Butylbenzene	U		0.361	1.00	1	05/18/2016 20:44	WG873662
ec-Butylbenzene	U		0.365	1.00	1	05/18/2016 20:44	WG873662
ert-Butylbenzene	U		0.399	1.00	1	05/18/2016 20:44	WG873662
Carbon tetrachloride	U		0.379	1.00	1	05/18/2016 20:44	WG873662
Chlorobenzene	U		0.348	1.00	1	05/18/2016 20:44	WG873662
Chlorodibromomethane	U		0.327	1.00	1	05/18/2016 20:44	WG873662
Chloroethane	U		0.453	5.00	1	05/18/2016 20:44	WG873662
-Chloroethyl vinyl ether	U		3.01	50.0	1	05/18/2016 20:44	WG873662
hloroform	U		0.324	5.00	1	05/18/2016 20:44	WG873662
hloromethane	U		0.276	2.50	1	05/18/2016 20:44	WG873662
-Chlorotoluene	U		0.375	1.00	1	05/18/2016 20:44	WG873662
-Chlorotoluene	U		0.351	1.00	1	05/18/2016 20:44	WG873662
2-Dibromo-3-Chloropropane	U		1.33	5.00	1	05/18/2016 20:44	WG873662
2-Dibromoethane	U		0.381	1.00	1	05/18/2016 20:44	WG873662
ibromomethane	U		0.346	1.00	1	05/18/2016 20:44	WG873662
2-Dichlorobenzene	U		0.349	1.00	1	05/18/2016 20:44	WG873662
3-Dichlorobenzene	U		0.220	1.00	1	05/18/2016 20:44	WG873662
4-Dichlorobenzene	U		0.274	1.00	1	05/18/2016 20:44	WG873662
ichlorodifluoromethane	U	<u>J4</u>	0.551	5.00	1	05/18/2016 20:44	WG873662
1-Dichloroethane	U	_	0.259	1.00	1	05/18/2016 20:44	WG873662
2-Dichloroethane	U		0.361	1.00	1	05/18/2016 20:44	WG873662
,1-Dichloroethene	U		0.398	1.00	1	05/18/2016 20:44	WG873662
is-1,2-Dichloroethene	U		0.260	1.00	1	05/18/2016 20:44	WG873662
rans-1,2-Dichloroethene	U		0.396	1.00	1	05/18/2016 20:44	WG873662
,2-Dichloropropane	U		0.306	1.00	1	05/18/2016 20:44	WG873662
1-Dichloropropene	U		0.352	1.00	1	05/18/2016 20:44	WG873662
3-Dichloropropane	U		0.366	1.00	1	05/18/2016 20:44	WG873662
is-1,3-Dichloropropene	U		0.418	1.00	1	05/18/2016 20:44	WG873662
ans-1,3-Dichloropropene	U		0.419	1.00	1	05/18/2016 20:44	WG873662
,2-Dichloropropane	U		0.321	1.00	1	05/18/2016 20:44	WG873662
i-isopropyl ether	U		0.320	1.00	1	05/18/2016 20:44	WG873662
thylbenzene	U		0.384	1.00	1	05/18/2016 20:44	WG873662
exachloro-1,3-butadiene	U		0.256	1.00	1	05/18/2016 20:44	WG873662
opropylbenzene	U		0.326	1.00	1	05/18/2016 20:44	WG873662
-Isopropyltoluene	U		0.350	1.00	1	05/18/2016 20:44	WG873662
-Butanone (MEK)	U		3.93	10.0	1	05/18/2016 20:44	WG873662
lethylene Chloride	U		1.00	5.00	1	05/18/2016 20:44	WG873662













ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 16:25

Volatile Organic Compounds (GC/MS) by Method 8260B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	05/18/2016 20:44	WG873662
Methyl tert-butyl ether	U		0.367	1.00	1	05/18/2016 20:44	WG873662
Naphthalene	U		1.00	5.00	1	05/18/2016 20:44	WG873662
n-Propylbenzene	U		0.349	1.00	1	05/18/2016 20:44	WG873662
Styrene	U		0.307	1.00	1	05/18/2016 20:44	WG873662
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	05/18/2016 20:44	WG873662
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	05/18/2016 20:44	WG873662
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00	1	05/18/2016 20:44	WG873662
Tetrachloroethene	U		0.372	1.00	1	05/18/2016 20:44	WG873662
Toluene	U		0.780	5.00	1	05/18/2016 20:44	WG873662
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/18/2016 20:44	WG873662
1,2,4-Trichlorobenzene	U		0.355	1.00	1	05/18/2016 20:44	WG873662
1,1,1-Trichloroethane	U		0.319	1.00	1	05/18/2016 20:44	WG873662
1,1,2-Trichloroethane	U		0.383	1.00	1	05/18/2016 20:44	WG873662
Trichloroethene	U		0.398	1.00	1	05/18/2016 20:44	WG873662
Trichlorofluoromethane	U		1.20	5.00	1	05/18/2016 20:44	WG873662
1,2,3-Trichloropropane	U		0.807	2.50	1	05/18/2016 20:44	WG873662
1,2,4-Trimethylbenzene	U		0.373	1.00	1	05/18/2016 20:44	WG873662
1,2,3-Trimethylbenzene	U		0.321	1.00	1	05/18/2016 20:44	WG873662
1,3,5-Trimethylbenzene	U		0.387	1.00	1	05/18/2016 20:44	WG873662
Vinyl chloride	U		0.259	1.00	1	05/18/2016 20:44	WG873662
Xylenes, Total	U		1.06	3.00	1	05/18/2016 20:44	WG873662
(S) Toluene-d8	110			90.0-115		05/18/2016 20:44	WG873662
(S) Dibromofluoromethane	107			79.0-121		05/18/2016 20:44	WG873662
(S) 4-Bromofluorobenzene	108			80.1-120		05/18/2016 20:44	WG873662

Semi-Volatile Organic Compounds (GC) by Method MADEPE

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Extractable Petroleum Hydrocarbon	34.3	<u>J</u>	33.0	100	1	05/20/2016 01:00	WG873851
C9-C18 Aliphatics	16.7	<u>B J</u>	14.0	100	1	05/19/2016 21:52	WG873851
C19-C36 Aliphatics	17.6	<u>B J</u>	8.53	100	1	05/19/2016 21:52	WG873851
C11-C22 Aromatics	U		21.1	100	1	05/20/2016 01:00	WG873851
(S) o-Terphenyl	72.5			40.0-140		05/20/2016 01:00	WG873851
(S) 1-Chloro-octadecane	65.4			40.0-140		05/19/2016 21:52	WG873851
(S) 2-Fluorobiphenyl	93.4			40.0-140		05/20/2016 01:00	WG873851
(S) 2-Bromonaphthalene	88.5			40.0-140		05/20/2016 01:00	WG873851

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
ug/l		ug/l	ug/l		date / time	
U		0.316	1.00	1	05/19/2016 06:37	WG873225
U		0.309	1.00	1	05/19/2016 06:37	WG873225
U		0.291	1.00	1	05/19/2016 06:37	WG873225
U		4.32	10.0	1	05/19/2016 06:37	WG873225
U		0.0975	1.00	1	05/19/2016 06:37	WG873225
U		0.0896	1.00	1	05/19/2016 06:37	WG873225
U		0.355	1.00	1	05/19/2016 06:37	WG873225
U		0.161	1.00	1	05/19/2016 06:37	WG873225
U		0.340	1.00	1	05/19/2016 06:37	WG873225
U		0.329	10.0	1	05/19/2016 06:37	WG873225
U		1.62	10.0	1	05/19/2016 06:37	WG873225
U		0.445	10.0	1	05/19/2016 06:37	WG873225
U		0.335	10.0	1	05/19/2016 06:37	WG873225
U		0.330	1.00	1	05/19/2016 06:37	WG873225
	ug/l U U U U U U U U U U U U U U U U U U U	Ug/I U U U U U U U U U U U U U U U U U U U	ug/l U 0.316 U 0.309 U 0.291 U 4.32 U 0.0975 U 0.0896 U 0.355 U 0.161 U 0.340 U 0.329 U 1.62 U 0.445 U 0.335	ug/l ug/l ug/l U 0.316 1.00 U 0.309 1.00 U 0.291 1.00 U 4.32 10.0 U 0.0975 1.00 U 0.0896 1.00 U 0.355 1.00 U 0.161 1.00 U 0.340 1.00 U 0.329 10.0 U 1.62 10.0 U 0.445 10.0 U 0.335 10.0	ug/l ug/l U 0.316 1.00 1 U 0.309 1.00 1 U 0.291 1.00 1 U 4.32 10.0 1 U 0.0975 1.00 1 U 0.0896 1.00 1 U 0.355 1.00 1 U 0.340 1.00 1 U 0.329 10.0 1 U 1.62 10.0 1 U 0.445 10.0 1 U 0.335 10.0 1	ug/l ug/l ug/l date / time U 0.316 1.00 1 05/19/2016 06:37 U 0.309 1.00 1 05/19/2016 06:37 U 0.291 1.00 1 05/19/2016 06:37 U 4.32 10.0 1 05/19/2016 06:37 U 0.0975 1.00 1 05/19/2016 06:37 U 0.0896 1.00 1 05/19/2016 06:37 U 0.355 1.00 1 05/19/2016 06:37 U 0.340 1.00 1 05/19/2016 06:37 U 0.329 10.0 1 05/19/2016 06:37 U 0.329 10.0 1 05/19/2016 06:37 U 0.329 10.0 1 05/19/2016 06:37 U 0.445 10.0 1 05/19/2016 06:37 U 0.445 10.0 1 05/19/2016 06:37 U 0.335 10.0 1 05/19/2016 06:37

ACCOUNT: Duncklee and Dunham

PROJECT: 201659

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59.5

74.7

(S) 2,4,6-Tribromophenol

(S) p-Terphenyl-d14

L836194

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch Batch
Analyte	ug/l		ug/l	ug/l		date / time	
4-Chlorophenyl-phenylether	U		0.303	10.0	1	05/19/2016 06:37	WG873225
Chrysene	U		0.332	1.00	1	05/19/2016 06:37	WG873225
Dibenz(a,h)anthracene	U		0.279	1.00	1	05/19/2016 06:37	WG873225
3,3-Dichlorobenzidine	U		2.02	10.0	1	05/19/2016 06:37	WG873225
2,4-Dinitrotoluene	U		1.65	10.0	1	05/19/2016 06:37	WG873225
2,6-Dinitrotoluene	U		0.279	10.0	1	05/19/2016 06:37	WG873225
Fluoranthene	U		0.310	1.00	1	05/19/2016 06:37	WG873225
Fluorene	U		0.323	1.00	1	05/19/2016 06:37	WG873225
Hexachlorobenzene	U		0.341	1.00	1	05/19/2016 06:37	WG873225
Hexachloro-1,3-butadiene	U		0.329	10.0	1	05/19/2016 06:37	WG873225
Hexachlorocyclopentadiene	U		2.33	10.0	1	05/19/2016 06:37	WG873225
Hexachloroethane	U		0.365	10.0	1	05/19/2016 06:37	WG873225
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	05/19/2016 06:37	WG873225
Isophorone	U		0.272	10.0	1	05/19/2016 06:37	WG873225
Naphthalene	U		0.372	1.00	1	05/19/2016 06:37	WG873225
Nitrobenzene	U		0.367	10.0	1	05/19/2016 06:37	WG873225
n-Nitrosodimethylamine	U		1.26	10.0	1	05/19/2016 06:37	WG873225
n-Nitrosodiphenylamine	U		0.304	10.0	1	05/19/2016 06:37	WG873225
n-Nitrosodi-n-propylamine	U		0.403	10.0	1	05/19/2016 06:37	WG873225
Phenanthrene	U		0.366	1.00	1	05/19/2016 06:37	WG873225
Benzylbutyl phthalate	U		0.275	3.00	1	05/19/2016 06:37	WG873225
Bis(2-ethylhexyl)phthalate	1.06	<u>B J</u>	0.709	3.00	1	05/19/2016 06:37	WG873225
Di-n-butyl phthalate	0.730	<u>B J</u>	0.266	3.00	1	05/19/2016 06:37	WG873225
Diethyl phthalate	U		0.282	3.00	1	05/19/2016 06:37	WG873225
Dimethyl phthalate	U		0.283	3.00	1	05/19/2016 06:37	WG873225
Di-n-octyl phthalate	0.981	<u>B J</u>	0.278	3.00	1	05/19/2016 06:37	WG873225
Pyrene	U		0.330	1.00	1	05/19/2016 06:37	WG873225
1,2,4-Trichlorobenzene	U		0.355	10.0	1	05/19/2016 06:37	WG873225
4-Chloro-3-methylphenol	U		0.263	10.0	1	05/19/2016 06:37	WG873225
2-Chlorophenol	U		0.283	10.0	1	05/19/2016 06:37	WG873225
2,4-Dichlorophenol	U		0.284	10.0	1	05/19/2016 06:37	WG873225
2,4-Dimethylphenol	U		0.624	10.0	1	05/19/2016 06:37	WG873225
4,6-Dinitro-2-methylphenol	U		2.62	10.0	1	05/19/2016 06:37	WG873225
2,4-Dinitrophenol	U		3.25	10.0	1	05/19/2016 06:37	WG873225
2-Nitrophenol	U		0.320	10.0	1	05/19/2016 06:37	WG873225
4-Nitrophenol	U		2.01	10.0	1	05/19/2016 06:37	WG873225
Pentachlorophenol	U		0.313	10.0	1	05/19/2016 06:37	WG873225
Phenol	U		0.334	10.0	1	05/19/2016 06:37	WG873225
2,4,6-Trichlorophenol	U		0.297	10.0	1	05/19/2016 06:37	WG873225
(S) 2-Fluorophenol	41.6			10.0-77.9		05/19/2016 06:37	WG873225
(S) Phenol-d5	28.9			5.00-70.1		05/19/2016 06:37	WG873225
(S) Nitrobenzene-d5	61.1			21.8-123		05/19/2016 06:37	WG873225
(S) 2-Fluorobiphenyl	66.6			29.5-131		05/19/2016 06:37	WG873225

11.2-130

29.3-137

















05/19/2016 06:37

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WG873225

WG873225

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Volatile Petroleum Hydrocarbons by Method MADEPV

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	ug/l		ug/l	ug/l		date / time	
Volatile Petroleum Hydrocarbons	U		10.8	100	1	05/18/2016 18:18	WG873474
C5-C8 Aliphatics	11.5	<u>B J</u>	9.31	100	1	05/18/2016 18:18	WG873474
C9-C12 Aliphatics	20.5	ВЈ	7.80	100	1	05/18/2016 18:18	WG873474
C9-C10 Aromatics	22.2	ВЈ	10.8	100	1	05/18/2016 18:18	WG873474
(S) 2,5-Dibromotoluene(FID)	105			70.0-130		05/18/2016 18:18	WG873474
(S) 2,5-Dibromotoluene(PID)	105			70.0-130		05/18/2016 18:18	WG873474









Valatila Organic Compounds (GC/MS) by Mathad 9260B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	05/18/2016 21:01	WG873662
Acrolein	U	<u>J4</u>	8.87	50.0	1	05/18/2016 21:01	WG873662
Acrylonitrile	U		1.87	10.0	1	05/18/2016 21:01	WG873662
Benzene	U		0.331	1.00	1	05/18/2016 21:01	WG873662
Bromobenzene	U		0.352	1.00	1	05/18/2016 21:01	WG873662
Bromodichloromethane	U		0.380	1.00	1	05/18/2016 21:01	WG873662
Bromoform	U		0.469	1.00	1	05/18/2016 21:01	WG873662
Bromomethane	U		0.866	5.00	1	05/18/2016 21:01	WG873662
n-Butylbenzene	U		0.361	1.00	1	05/18/2016 21:01	WG873662
sec-Butylbenzene	U		0.365	1.00	1	05/18/2016 21:01	WG873662
ert-Butylbenzene	U		0.399	1.00	1	05/18/2016 21:01	WG873662
Carbon tetrachloride	U		0.379	1.00	1	05/18/2016 21:01	WG873662
Chlorobenzene	U		0.348	1.00	1	05/18/2016 21:01	WG873662
Chlorodibromomethane	U		0.327	1.00	1	05/18/2016 21:01	WG873662
Chloroethane	U		0.453	5.00	1	05/18/2016 21:01	WG873662
2-Chloroethyl vinyl ether	U		3.01	50.0	1	05/18/2016 21:01	WG873662
Chloroform	U		0.324	5.00	1	05/18/2016 21:01	WG873662
Chloromethane	U		0.276	2.50	1	05/18/2016 21:01	WG873662
-Chlorotoluene	U		0.375	1.00	1	05/18/2016 21:01	WG873662
-Chlorotoluene	U		0.351	1.00	1	05/18/2016 21:01	WG873662
,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	05/18/2016 21:01	WG873662
,2-Dibromoethane	U		0.381	1.00	1	05/18/2016 21:01	WG873662
Dibromomethane	U		0.346	1.00	1	05/18/2016 21:01	WG873662
,2-Dichlorobenzene	U		0.349	1.00	1	05/18/2016 21:01	WG873662
,3-Dichlorobenzene	U		0.220	1.00	1	05/18/2016 21:01	WG873662
,4-Dichlorobenzene	U		0.274	1.00	1	05/18/2016 21:01	WG873662
Dichlorodifluoromethane	U	<u>J4</u>	0.551	5.00	1	05/18/2016 21:01	WG873662
,1-Dichloroethane	U		0.259	1.00	1	05/18/2016 21:01	WG873662
,2-Dichloroethane	U		0.361	1.00	1	05/18/2016 21:01	WG873662
,1-Dichloroethene	U		0.398	1.00	1	05/18/2016 21:01	WG873662
is-1,2-Dichloroethene	U		0.260	1.00	1	05/18/2016 21:01	WG873662
rans-1,2-Dichloroethene	U		0.396	1.00	1	05/18/2016 21:01	WG873662
,2-Dichloropropane	U		0.306	1.00	1	05/18/2016 21:01	WG873662
,1-Dichloropropene	U		0.352	1.00	1	05/18/2016 21:01	WG873662
,3-Dichloropropane	U		0.366	1.00	1	05/18/2016 21:01	WG873662
is-1,3-Dichloropropene	U		0.418	1.00	1	05/18/2016 21:01	WG873662
rans-1,3-Dichloropropene	U		0.419	1.00	1	05/18/2016 21:01	WG873662
,2-Dichloropropane	U		0.321	1.00	1	05/18/2016 21:01	WG873662
Di-isopropyl ether	U		0.320	1.00	1	05/18/2016 21:01	WG873662
thylbenzene	U		0.384	1.00	1	05/18/2016 21:01	WG873662
lexachloro-1,3-butadiene	U		0.256	1.00	1	05/18/2016 21:01	WG873662
sopropylbenzene	U		0.326	1.00	1	05/18/2016 21:01	WG873662
o-Isopropyltoluene	U		0.350	1.00	1	05/18/2016 21:01	WG873662
2-Butanone (MEK)	U		3.93	10.0	1	05/18/2016 21:01	WG873662
Methylene Chloride	U		1.00	5.00	1	05/18/2016 21:01	WG873662











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Volatile Organic Compounds (GC/MS) by Method 8260B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	05/18/2016 21:01	WG873662
Methyl tert-butyl ether	U		0.367	1.00	1	05/18/2016 21:01	WG873662
Naphthalene	U		1.00	5.00	1	05/18/2016 21:01	WG873662
n-Propylbenzene	U		0.349	1.00	1	05/18/2016 21:01	WG873662
Styrene	U		0.307	1.00	1	05/18/2016 21:01	WG873662
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	05/18/2016 21:01	WG873662
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	05/18/2016 21:01	WG873662
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00	1	05/18/2016 21:01	WG873662
Tetrachloroethene	U		0.372	1.00	1	05/18/2016 21:01	WG873662
Toluene	U		0.780	5.00	1	05/18/2016 21:01	WG873662
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/18/2016 21:01	WG873662
1,2,4-Trichlorobenzene	U		0.355	1.00	1	05/18/2016 21:01	WG873662
1,1,1-Trichloroethane	U		0.319	1.00	1	05/18/2016 21:01	WG873662
1,1,2-Trichloroethane	U		0.383	1.00	1	05/18/2016 21:01	WG873662
Trichloroethene	U		0.398	1.00	1	05/18/2016 21:01	WG873662
Trichlorofluoromethane	U		1.20	5.00	1	05/18/2016 21:01	WG873662
1,2,3-Trichloropropane	U		0.807	2.50	1	05/18/2016 21:01	WG873662
1,2,4-Trimethylbenzene	U		0.373	1.00	1	05/18/2016 21:01	WG873662
1,2,3-Trimethylbenzene	U		0.321	1.00	1	05/18/2016 21:01	WG873662
1,3,5-Trimethylbenzene	U		0.387	1.00	1	05/18/2016 21:01	WG873662
Vinyl chloride	U		0.259	1.00	1	05/18/2016 21:01	WG873662
Xylenes, Total	U		1.06	3.00	1	05/18/2016 21:01	WG873662
(S) Toluene-d8	110			90.0-115		05/18/2016 21:01	WG873662
(S) Dibromofluoromethane	107			79.0-121		05/18/2016 21:01	WG873662
(S) 4-Bromofluorobenzene	109			80.1-120		05/18/2016 21:01	WG873662

Semi-Volatile Organic Compounds (GC) by Method MADEPE

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	ug/l		ug/l	ug/l		date / time	
Extractable Petroleum Hydrocarbon	U		33.0	100	1	05/20/2016 00:39	WG873851
C9-C18 Aliphatics	14.7	<u>B J</u>	14.0	100	1	05/19/2016 22:13	WG873851
C19-C36 Aliphatics	17.2	ВJ	8.53	100	1	05/19/2016 22:13	WG873851
C11-C22 Aromatics	U		21.1	100	1	05/20/2016 00:39	WG873851
(S) o-Terphenyl	74.6			40.0-140		05/20/2016 00:39	WG873851
(S) 1-Chloro-octadecane	64.9			40.0-140		05/19/2016 22:13	WG873851
(S) 2-Fluorobiphenyl	98.9			40.0-140		05/20/2016 00:39	WG873851
(S) 2-Bromonaphthalene	94.9			40.0-140		05/20/2016 00:39	WG873851

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acenaphthene	U		0.316	1.00	1	05/19/2016 07:01	WG873225
Acenaphthylene	U		0.309	1.00	1	05/19/2016 07:01	WG873225
Anthracene	U		0.291	1.00	1	05/19/2016 07:01	WG873225
Benzidine	U		4.32	10.0	1	05/19/2016 07:01	WG873225
Benzo(a)anthracene	U		0.0975	1.00	1	05/19/2016 07:01	WG873225
Benzo(b)fluoranthene	U		0.0896	1.00	1	05/19/2016 07:01	WG873225
Benzo(k)fluoranthene	U		0.355	1.00	1	05/19/2016 07:01	WG873225
Benzo(g,h,i)perylene	U		0.161	1.00	1	05/19/2016 07:01	WG873225
Benzo(a)pyrene	U		0.340	1.00	1	05/19/2016 07:01	WG873225
Bis(2-chlorethoxy)methane	U		0.329	10.0	1	05/19/2016 07:01	WG873225
Bis(2-chloroethyl)ether	U		1.62	10.0	1	05/19/2016 07:01	WG873225
Bis(2-chloroisopropyl)ether	U		0.445	10.0	1	05/19/2016 07:01	WG873225
4-Bromophenyl-phenylether	U		0.335	10.0	1	05/19/2016 07:01	WG873225
2-Chloronaphthalene	U		0.330	1.00	1	05/19/2016 07:01	WG873225

ACCOUNT:
Duncklee and Dunham

PROJECT: 201659

SDG: L836194 DATE/TIME: 05/20/16 15:19

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Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
4-Chlorophenyl-phenylether	U		0.303	10.0	1	05/19/2016 07:01	WG873225
Chrysene	U		0.332	1.00	1	05/19/2016 07:01	WG873225
Dibenz(a,h)anthracene	U		0.279	1.00	1	05/19/2016 07:01	WG873225
3,3-Dichlorobenzidine	U		2.02	10.0	1	05/19/2016 07:01	WG873225
2,4-Dinitrotoluene	U		1.65	10.0	1	05/19/2016 07:01	WG873225
2,6-Dinitrotoluene	U		0.279	10.0	1	05/19/2016 07:01	WG873225
Fluoranthene	U		0.310	1.00	1	05/19/2016 07:01	WG873225
Fluorene	U		0.323	1.00	1	05/19/2016 07:01	WG873225
Hexachlorobenzene	U		0.341	1.00	1	05/19/2016 07:01	WG873225
Hexachloro-1,3-butadiene	U		0.329	10.0	1	05/19/2016 07:01	WG873225
Hexachlorocyclopentadiene	U		2.33	10.0	1	05/19/2016 07:01	WG873225
Hexachloroethane	U		0.365	10.0	1	05/19/2016 07:01	WG873225
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	05/19/2016 07:01	WG873225
Isophorone	U		0.272	10.0	1	05/19/2016 07:01	WG873225
Naphthalene	U		0.372	1.00	1	05/19/2016 07:01	WG873225
Nitrobenzene	U		0.367	10.0	1	05/19/2016 07:01	WG873225
n-Nitrosodimethylamine	U		1.26	10.0	1	05/19/2016 07:01	WG873225
n-Nitrosodiphenylamine	U		0.304	10.0	1	05/19/2016 07:01	WG873225
n-Nitrosodi-n-propylamine	U		0.403	10.0	1	05/19/2016 07:01	WG873225
Phenanthrene	U		0.366	1.00	1	05/19/2016 07:01	WG873225
Benzylbutyl phthalate	U		0.275	3.00	1	05/19/2016 07:01	WG873225
Bis(2-ethylhexyl)phthalate	1.07	BJ	0.709	3.00	1	05/19/2016 07:01	WG873225
Di-n-butyl phthalate	0.794	ВЈ	0.266	3.00	1	05/19/2016 07:01	WG873225
Diethyl phthalate	U		0.282	3.00	1	05/19/2016 07:01	WG873225
Dimethyl phthalate	U		0.283	3.00	1	05/19/2016 07:01	WG873225
Di-n-octyl phthalate	U		0.278	3.00	1	05/19/2016 07:01	WG873225
Pyrene	U		0.330	1.00	1	05/19/2016 07:01	WG873225
1,2,4-Trichlorobenzene	U		0.355	10.0	1	05/19/2016 07:01	WG873225
4-Chloro-3-methylphenol	U		0.263	10.0	1	05/19/2016 07:01	WG873225
2-Chlorophenol	U		0.283	10.0	1	05/19/2016 07:01	WG873225
2,4-Dichlorophenol	U		0.284	10.0	1	05/19/2016 07:01	WG873225
2,4-Dimethylphenol	U		0.624	10.0	1	05/19/2016 07:01	WG873225
4,6-Dinitro-2-methylphenol	U		2.62	10.0	1	05/19/2016 07:01	WG873225
2,4-Dinitrophenol	U		3.25	10.0	1	05/19/2016 07:01	WG873225
2-Nitrophenol	U		0.320	10.0	1	05/19/2016 07:01	WG873225
4-Nitrophenol	U		2.01	10.0	1	05/19/2016 07:01	WG873225
Pentachlorophenol	U		0.313	10.0	1	05/19/2016 07:01	WG873225
Phenol	U		0.334	10.0	1	05/19/2016 07:01	WG873225
2,4,6-Trichlorophenol	U		0.297	10.0	1	05/19/2016 07:01	WG873225
(S) 2-Fluorophenol	32.6			10.0-77.9		05/19/2016 07:01	WG873225
(S) Phenol-d5	24.6			5.00-70.1		05/19/2016 07:01	WG873225
(S) Nitrobenzene-d5	49.3			21.8-123		05/19/2016 07:01	WG873225
(S) 2-Fluorobiphenyl	58.2			29.5-131		05/19/2016 07:01	WG873225

















63.7

67.7

(S) 2,4,6-Tribromophenol

(S) p-Terphenyl-d14

11.2-130

29.3-137

05/19/2016 07:01

05/19/2016 07:01

WG873225 WG873225

ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 17:30

Volatile Petroleum Hydrocarbons by Method MADEPV

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Volatile Petroleum Hydrocarbons	U		10.8	100	1	05/18/2016 18:51	WG873474
C5-C8 Aliphatics	10.8	<u>B J</u>	9.31	100	1	05/18/2016 18:51	WG873474
C9-C12 Aliphatics	16.4	<u>B J</u>	7.80	100	1	05/18/2016 18:51	WG873474
C9-C10 Aromatics	20.3	<u>B J</u>	10.8	100	1	05/18/2016 18:51	WG873474
(S) 2,5-Dibromotoluene(FID)	104			70.0-130		05/18/2016 18:51	WG873474
(S) 2,5-Dibromotoluene(PID)	104			70.0-130		05/18/2016 18:51	WG873474
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	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	05/18/2016 21:19	WG873662
Acrolein	U	<u>J4</u>	8.87	50.0	1	05/18/2016 21:19	WG873662
Acrylonitrile	U	<u> </u>	1.87	10.0	1	05/18/2016 21:19	WG873662
Benzene	U		0.331	1.00	1	05/18/2016 21:19	WG873662
Bromobenzene	U		0.352	1.00	1	05/18/2016 21:19	WG873662
Bromodichloromethane	U		0.380	1.00	1	05/18/2016 21:19	WG873662
Bromoform	U		0.469	1.00	1	05/18/2016 21:19	WG873662
Bromomethane	U		0.866	5.00	1	05/18/2016 21:19	WG873662
n-Butylbenzene	U		0.361	1.00	1	05/18/2016 21:19	WG873662
sec-Butylbenzene	U		0.365	1.00	1	05/18/2016 21:19	WG873662
ert-Butylbenzene	U		0.399	1.00	1	05/18/2016 21:19	WG873662
Carbon tetrachloride	U		0.379	1.00	1	05/18/2016 21:19	WG873662
Chlorobenzene	U		0.348	1.00	1	05/18/2016 21:19	WG873662
Chlorodibromomethane	U		0.327	1.00	1	05/18/2016 21:19	WG873662
Chloroethane	U		0.453	5.00	1	05/18/2016 21:19	WG873662
2-Chloroethyl vinyl ether	U		3.01	50.0	1	05/18/2016 21:19	WG873662
Chloroform	U		0.324	5.00	1	05/18/2016 21:19	WG873662
Chloromethane	U		0.276	2.50	1	05/18/2016 21:19	WG873662
-Chlorotoluene	U		0.375	1.00	1	05/18/2016 21:19	WG873662
-Chlorotoluene	U		0.351	1.00	1	05/18/2016 21:19	WG873662
,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	05/18/2016 21:19	WG873662
2-Dibromoethane	U		0.381	1.00	1	05/18/2016 21:19	WG873662
Dibromomethane	U		0.346	1.00	1	05/18/2016 21:19	WG873662
,2-Dichlorobenzene	U		0.349	1.00	1	05/18/2016 21:19	WG873662
,3-Dichlorobenzene	U		0.220	1.00	1	05/18/2016 21:19	WG873662
,4-Dichlorobenzene	U		0.274	1.00	1	05/18/2016 21:19	WG873662
Dichlorodifluoromethane	U	<u>J4</u>	0.551	5.00	1	05/18/2016 21:19	WG873662
,1-Dichloroethane	U	_	0.259	1.00	1	05/18/2016 21:19	WG873662
,2-Dichloroethane	U		0.361	1.00	1	05/18/2016 21:19	WG873662
,1-Dichloroethene	U		0.398	1.00	1	05/18/2016 21:19	WG873662
is-1,2-Dichloroethene	U		0.260	1.00	1	05/18/2016 21:19	WG873662
rans-1,2-Dichloroethene	U		0.396	1.00	1	05/18/2016 21:19	WG873662
,2-Dichloropropane	U		0.306	1.00	1	05/18/2016 21:19	WG873662
,1-Dichloropropene	U		0.352	1.00	1	05/18/2016 21:19	WG873662
,3-Dichloropropane	U		0.366	1.00	1	05/18/2016 21:19	WG873662
is-1,3-Dichloropropene	U		0.418	1.00	1	05/18/2016 21:19	WG873662
ans-1,3-Dichloropropene	U		0.419	1.00	1	05/18/2016 21:19	WG873662
,2-Dichloropropane	U		0.321	1.00	1	05/18/2016 21:19	WG873662
Di-isopropyl ether	U		0.320	1.00	1	05/18/2016 21:19	WG873662
thylbenzene	U		0.384	1.00	1	05/18/2016 21:19	WG873662
lexachloro-1,3-butadiene	U		0.256	1.00	1	05/18/2016 21:19	WG873662
sopropylbenzene	U		0.326	1.00	1	05/18/2016 21:19	WG873662
-Isopropyltoluene	U		0.350	1.00	1	05/18/2016 21:19	WG873662
!-Butanone (MEK)	U		3.93	10.0	1	05/18/2016 21:19	WG873662
Methylene Chloride	U		1.00	5.00	1	05/18/2016 21:19	WG873662











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Collected date/time: 05/17/16 17:30

(S) 4-Bromofluorobenzene

L836194

Volatile Organic Compounds (GC/MS) by Method 8260B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l	<u>uuuo.</u>	ug/l	ug/l	2.101.0.1	date / time	<u> </u>
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	05/18/2016 21:19	WG873662
Methyl tert-butyl ether	U		0.367	1.00	1	05/18/2016 21:19	WG873662
Naphthalene	U		1.00	5.00	1	05/18/2016 21:19	WG873662
n-Propylbenzene	U		0.349	1.00	1	05/18/2016 21:19	WG873662
Styrene	U		0.307	1.00	1	05/18/2016 21:19	WG873662
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	05/18/2016 21:19	WG873662
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	05/18/2016 21:19	WG873662
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00	1	05/18/2016 21:19	WG873662
Tetrachloroethene	U		0.372	1.00	1	05/18/2016 21:19	WG873662
Toluene	U		0.780	5.00	1	05/18/2016 21:19	WG873662
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/18/2016 21:19	WG873662
1,2,4-Trichlorobenzene	U		0.355	1.00	1	05/18/2016 21:19	WG873662
1,1,1-Trichloroethane	U		0.319	1.00	1	05/18/2016 21:19	WG873662
1,1,2-Trichloroethane	U		0.383	1.00	1	05/18/2016 21:19	WG873662
Trichloroethene	U		0.398	1.00	1	05/18/2016 21:19	WG873662
Trichlorofluoromethane	U		1.20	5.00	1	05/18/2016 21:19	WG873662
1,2,3-Trichloropropane	U		0.807	2.50	1	05/18/2016 21:19	WG873662
1,2,4-Trimethylbenzene	U		0.373	1.00	1	05/18/2016 21:19	WG873662
1,2,3-Trimethylbenzene	U		0.321	1.00	1	05/18/2016 21:19	WG873662
1,3,5-Trimethylbenzene	U		0.387	1.00	1	05/18/2016 21:19	WG873662
Vinyl chloride	U		0.259	1.00	1	05/18/2016 21:19	WG873662
Xylenes, Total	U		1.06	3.00	1	05/18/2016 21:19	WG873662
(S) Toluene-d8	107			90.0-115		05/18/2016 21:19	WG873662
(S) Dibromofluoromethane	107			79.0-121		05/18/2016 21:19	WG873662

Semi-Volatile Organic Compounds (GC) by Method MADEPE

105

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Extractable Petroleum Hydrocarbon	U		33.0	100	1	05/20/2016 00:18	WG873851
C9-C18 Aliphatics	14.0	<u>B J</u>	14.0	100	1	05/19/2016 22:34	WG873851
C19-C36 Aliphatics	16.3	<u>B J</u>	8.53	100	1	05/19/2016 22:34	WG873851
C11-C22 Aromatics	U		21.1	100	1	05/20/2016 00:18	WG873851
(S) o-Terphenyl	63.9			40.0-140		05/20/2016 00:18	WG873851
(S) 1-Chloro-octadecane	55.2			40.0-140		05/19/2016 22:34	WG873851
(S) 2-Fluorobiphenyl	83.9			40.0-140		05/20/2016 00:18	WG873851
(S) 2-Bromonaphthalene	80.3			40.0-140		05/20/2016 00:18	WG873851

80.1-120

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
ug/l		ug/l	ug/l		date / time	
U		0.316	1.00	1	05/19/2016 07:24	WG873225
U		0.309	1.00	1	05/19/2016 07:24	WG873225
U		0.291	1.00	1	05/19/2016 07:24	WG873225
U		4.32	10.0	1	05/19/2016 07:24	WG873225
U		0.0975	1.00	1	05/19/2016 07:24	WG873225
U		0.0896	1.00	1	05/19/2016 07:24	WG873225
U		0.355	1.00	1	05/19/2016 07:24	WG873225
U		0.161	1.00	1	05/19/2016 07:24	WG873225
U		0.340	1.00	1	05/19/2016 07:24	WG873225
U		0.329	10.0	1	05/19/2016 07:24	WG873225
U		1.62	10.0	1	05/19/2016 07:24	WG873225
U		0.445	10.0	1	05/19/2016 07:24	WG873225
U		0.335	10.0	1	05/19/2016 07:24	WG873225
U		0.330	1.00	1	05/19/2016 07:24	WG873225
	Ug/I U U U U U U U U U U U U U U U U U U U	U U U U U U U U U U U U U U U U U U U	Ug/l U 0.316 U 0.309 U 0.291 U 4.32 U 0.0975 U 0.0896 U 0.355 U 0.161 U 0.340 U 0.329 U 0.445 U 0.335	ug/l ug/l ug/l U 0.316 1.00 U 0.309 1.00 U 0.291 1.00 U 4.32 10.0 U 0.0975 1.00 U 0.0896 1.00 U 0.355 1.00 U 0.161 1.00 U 0.340 1.00 U 0.329 10.0 U 1.62 10.0 U 0.445 10.0 U 0.335 10.0	ug/l ug/l U 0.316 1.00 1 U 0.309 1.00 1 U 0.291 1.00 1 U 4.32 10.0 1 U 0.0975 1.00 1 U 0.0896 1.00 1 U 0.355 1.00 1 U 0.340 1.00 1 U 0.329 10.0 1 U 1.62 10.0 1 U 0.445 10.0 1 U 0.335 10.0 1	ug/l ug/l ug/l date / time U 0.316 1.00 1 05/19/2016 07:24 U 0.309 1.00 1 05/19/2016 07:24 U 0.291 1.00 1 05/19/2016 07:24 U 4.32 10.0 1 05/19/2016 07:24 U 0.0975 1.00 1 05/19/2016 07:24 U 0.0896 1.00 1 05/19/2016 07:24 U 0.355 1.00 1 05/19/2016 07:24 U 0.340 1.00 1 05/19/2016 07:24 U 0.329 10.0 1 05/19/2016 07:24 U 0.329 10.0 1 05/19/2016 07:24 U 0.329 10.0 1 05/19/2016 07:24 U 0.445 10.0 1 05/19/2016 07:24 U 0.445 10.0 1 05/19/2016 07:24 U 0.335 10.0 1 05/19/2016 07:24

ACCOUNT:
Duncklee and Dunham

PROJECT: 201659

SDG: L836194 DATE/TIME: 05/20/16 15:19

WG873662

05/18/2016 21:19

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ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 17:30

L836194

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Result <u>Qualifier</u> MDL RDL Dilution Analysis	<u>Batch</u>
Analyte ug/l ug/l ug/l date / time	
4-Chlorophenyl-phenylether U 0.303 10.0 1 05/19/2016 07:24	WG873225
Chrysene U 0.332 1.00 1 05/19/2016 07:24	
Dibenz(a,h)anthracene U 0.279 1.00 1 05/19/2016 07:24	
3,3-Dichlorobenzidine U 2.02 10.0 1 05/19/2016 07:24	WG873225
2,4-Dinitrotoluene U 1.65 10.0 1 05/19/2016 07:24	
2,6-Dinitrotoluene U 0.279 10.0 1 05/19/2016 07:24	WG873225
Fluoranthene U 0.310 1.00 1 05/19/2016 07:24	WG873225
Fluorene U 0.323 1.00 1 05/19/2016 07:24	WG873225
Hexachlorobenzene U 0.341 1.00 1 05/19/2016 07:24	WG873225
Hexachloro-1,3-butadiene U 0.329 10.0 1 05/19/2016 07:24	WG873225
Hexachlorocyclopentadiene U 2.33 10.0 1 05/19/2016 07:24	WG873225
Hexachloroethane U 0.365 10.0 1 05/19/2016 07:24	WG873225
Indeno(1,2,3-cd)pyrene U 0.279 1.00 1 05/19/2016 07:24	WG873225
Isophorone U 0.272 10.0 1 05/19/2016 07:24	WG873225
Naphthalene U 0.372 1.00 1 05/19/2016 07:24	WG873225
Nitrobenzene U 0.367 10.0 1 05/19/2016 07:24	WG873225
n-Nitrosodimethylamine U 1.26 10.0 1 05/19/2016 07:24	WG873225
n-Nitrosodiphenylamine U 0.304 10.0 1 05/19/2016 07:24	WG873225
n-Nitrosodi-n-propylamine U 0.403 10.0 1 05/19/2016 07:24	WG873225
Phenanthrene U 0.366 1.00 1 05/19/2016 07:24	WG873225
Benzylbutyl phthalate U 0.275 3.00 1 05/19/2016 07:24	WG873225
Bis(2-ethylhexyl)phthalate 1.04 <u>B J</u> 0.709 3.00 1 05/19/2016 07:24	WG873225
Di-n-butyl phthalate 0.801 <u>B J</u> 0.266 3.00 1 05/19/2016 07:24	WG873225
Diethyl phthalate U 0.282 3.00 1 05/19/2016 07:24	WG873225
Dimethyl phthalate U 0.283 3.00 1 05/19/2016 07:24	WG873225
Di-n-octyl phthalate U 0.278 3.00 1 05/19/2016 07:24	WG873225
Pyrene U 0.330 1.00 1 05/19/2016 07:24	WG873225
1,2,4-Trichlorobenzene U 0.355 10.0 1 05/19/2016 07:24	WG873225
4-Chloro-3-methylphenol U 0.263 10.0 1 05/19/2016 07:24	WG873225
2-Chlorophenol U 0.283 10.0 1 05/19/2016 07:24	WG873225
2,4-Dichlorophenol U 0.284 10.0 1 05/19/2016 07:24	WG873225
2,4-Dimethylphenol U 0.624 10.0 1 05/19/2016 07:24	WG873225
4,6-Dinitro-2-methylphenol U 2.62 10.0 1 05/19/2016 07:24	WG873225
2,4-Dinitrophenol U 3.25 10.0 1 05/19/2016 07:24	WG873225
2-Nitrophenol U 0.320 10.0 1 05/19/2016 07:24	WG873225
4-Nitrophenol U 2.01 10.0 1 05/19/2016 07:24	WG873225
Pentachlorophenol U 0.313 10.0 1 05/19/2016 07:24	<u>WG873225</u>
Phenol U 0.334 10.0 1 05/19/2016 07:24	WG873225
2,4,6-Trichlorophenol U 0.297 10.0 1 05/19/2016 07:24	<u>WG873225</u>
(S) 2-Fluorophenol 33.7 10.0-77.9 05/19/2016 07:24	<u>WG873225</u>
(S) Phenol-d5 24.3 5.00-70.1 05/19/2016 07:24	<u>WG873225</u>
(S) Nitrobenzene-d5 48.7 21.8-123 05/19/2016 07:24	WG873225

















57.3

66.9

(S) 2,4,6-Tribromophenol

(S) p-Terphenyl-d14

11.2-130

29.3-137

05/19/2016 07:24

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WG873225 WG873225

ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 17:55

Volatile Petroleum Hydrocarbons by Method MADEPV

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Volatile Petroleum Hydrocarbons	U		10.8	100	1	05/18/2016 19:24	WG873474
C5-C8 Aliphatics	U		9.31	100	1	05/18/2016 19:24	WG873474
C9-C12 Aliphatics	18.4	ВJ	7.80	100	1	05/18/2016 19:24	WG873474
C9-C10 Aromatics	21.6	BJ	10.8	100	1	05/18/2016 19:24	WG873474
(S) 2,5-Dibromotoluene(FID)	103			70.0-130		05/18/2016 19:24	WG873474
(S) 2,5-Dibromotoluene(PID)	103			70.0-130		05/18/2016 19:24	WG873474











	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	05/18/2016 21:36	WG873662
Acrolein	U	<u>J4</u>	8.87	50.0	1	05/18/2016 21:36	WG873662
Acrylonitrile	U		1.87	10.0	1	05/18/2016 21:36	WG873662
Benzene	U		0.331	1.00	1	05/18/2016 21:36	WG873662
Bromobenzene	U		0.352	1.00	1	05/18/2016 21:36	WG873662
Bromodichloromethane	U		0.380	1.00	1	05/18/2016 21:36	WG873662
Bromoform	U		0.469	1.00	1	05/18/2016 21:36	WG873662
Bromomethane	U		0.866	5.00	1	05/18/2016 21:36	WG873662
n-Butylbenzene	U		0.361	1.00	1	05/18/2016 21:36	WG873662
sec-Butylbenzene	U		0.365	1.00	1	05/18/2016 21:36	WG873662
tert-Butylbenzene	U		0.399	1.00	1	05/18/2016 21:36	WG873662
Carbon tetrachloride	U		0.379	1.00	1	05/18/2016 21:36	WG873662
Chlorobenzene	U		0.348	1.00	1	05/18/2016 21:36	WG873662
Chlorodibromomethane	U		0.327	1.00	1	05/18/2016 21:36	WG873662
Chloroethane	U		0.453	5.00	1	05/18/2016 21:36	WG873662
2-Chloroethyl vinyl ether	U		3.01	50.0	1	05/18/2016 21:36	WG873662
Chloroform	U		0.324	5.00	1	05/18/2016 21:36	WG873662
Chloromethane	U		0.276	2.50	1	05/18/2016 21:36	WG873662
2-Chlorotoluene	U		0.375	1.00	1	05/18/2016 21:36	WG873662
4-Chlorotoluene	U		0.351	1.00	1	05/18/2016 21:36	WG873662
1,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	05/18/2016 21:36	WG873662
1,2-Dibromoethane	U		0.381	1.00	1	05/18/2016 21:36	WG873662
Dibromomethane	U		0.346	1.00	1	05/18/2016 21:36	WG873662
1,2-Dichlorobenzene	U		0.349	1.00	1	05/18/2016 21:36	WG873662
1,3-Dichlorobenzene	U		0.220	1.00	1	05/18/2016 21:36	WG873662
1,4-Dichlorobenzene	U		0.274	1.00	1	05/18/2016 21:36	WG873662
Dichlorodifluoromethane	U	<u>J4</u>	0.551	5.00	1	05/18/2016 21:36	WG873662
1,1-Dichloroethane	U	_	0.259	1.00	1	05/18/2016 21:36	WG873662
1,2-Dichloroethane	U		0.361	1.00	1	05/18/2016 21:36	WG873662
1,1-Dichloroethene	U		0.398	1.00	1	05/18/2016 21:36	WG873662
cis-1,2-Dichloroethene	U		0.260	1.00	1	05/18/2016 21:36	WG873662
trans-1,2-Dichloroethene	U		0.396	1.00	1	05/18/2016 21:36	WG873662
1,2-Dichloropropane	U		0.306	1.00	1	05/18/2016 21:36	WG873662
1,1-Dichloropropene	U		0.352	1.00	1	05/18/2016 21:36	WG873662
1,3-Dichloropropane	U		0.366	1.00	1	05/18/2016 21:36	WG873662
cis-1,3-Dichloropropene	U		0.418	1.00	1	05/18/2016 21:36	WG873662
trans-1,3-Dichloropropene	U		0.419	1.00	1	05/18/2016 21:36	WG873662
2,2-Dichloropropane	U		0.321	1.00	1	05/18/2016 21:36	WG873662
Di-isopropyl ether	U		0.320	1.00	1	05/18/2016 21:36	WG873662
Ethylbenzene	U		0.384	1.00	1	05/18/2016 21:36	WG873662
Hexachloro-1,3-butadiene	U		0.256	1.00	1	05/18/2016 21:36	WG873662
Isopropylbenzene	U		0.326	1.00	1	05/18/2016 21:36	WG873662
p-Isopropyltoluene	U		0.350	1.00	1	05/18/2016 21:36	WG873662
2-Butanone (MEK)	U		3.93	10.0	1	05/18/2016 21:36	WG873662
	J		0.00			5 37 . G/ E 0 . G E 1. G G	













U

Methylene Chloride

5.00

1.00

05/18/2016 21:36

WG873662

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Collected date/time: 05/17/16 17:55

(S) 4-Bromofluorobenzene 106

L836194

Volatile Organic Compounds (GC/MS) by Method 8260B

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
4-Methyl-2-pentanone (MIBK)	U		2.14	10.0	1	05/18/2016 21:36	WG873662
Methyl tert-butyl ether	U		0.367	1.00	1	05/18/2016 21:36	WG873662
Naphthalene	U		1.00	5.00	1	05/18/2016 21:36	WG873662
n-Propylbenzene	U		0.349	1.00	1	05/18/2016 21:36	WG873662
Styrene	U		0.307	1.00	1	05/18/2016 21:36	WG873662
1,1,1,2-Tetrachloroethane	U		0.385	1.00	1	05/18/2016 21:36	WG873662
1,1,2,2-Tetrachloroethane	U		0.130	1.00	1	05/18/2016 21:36	WG873662
1,1,2-Trichlorotrifluoroethane	U		0.303	1.00	1	05/18/2016 21:36	WG873662
Tetrachloroethene	U		0.372	1.00	1	05/18/2016 21:36	WG873662
Toluene	U		0.780	5.00	1	05/18/2016 21:36	WG873662
1,2,3-Trichlorobenzene	U		0.230	1.00	1	05/18/2016 21:36	WG873662
1,2,4-Trichlorobenzene	U		0.355	1.00	1	05/18/2016 21:36	WG873662
1,1,1-Trichloroethane	U		0.319	1.00	1	05/18/2016 21:36	WG873662
1,1,2-Trichloroethane	U		0.383	1.00	1	05/18/2016 21:36	WG873662
Trichloroethene	U		0.398	1.00	1	05/18/2016 21:36	WG873662
Trichlorofluoromethane	U		1.20	5.00	1	05/18/2016 21:36	WG873662
1,2,3-Trichloropropane	U		0.807	2.50	1	05/18/2016 21:36	WG873662
1,2,4-Trimethylbenzene	U		0.373	1.00	1	05/18/2016 21:36	WG873662
1,2,3-Trimethylbenzene	U		0.321	1.00	1	05/18/2016 21:36	WG873662
1,3,5-Trimethylbenzene	U		0.387	1.00	1	05/18/2016 21:36	WG873662
Vinyl chloride	U		0.259	1.00	1	05/18/2016 21:36	WG873662
Xylenes, Total	U		1.06	3.00	1	05/18/2016 21:36	WG873662
(S) Toluene-d8	106			90.0-115		05/18/2016 21:36	WG873662
(S) Dibromofluoromethane	104			79.0-121		05/18/2016 21:36	WG873662

Semi-Volatile Organic Compounds (GC) by Method MADEPE

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Extractable Petroleum Hydrocarbon	77.2	J	33.0	100	1	05/19/2016 23:57	WG873851
C9-C18 Aliphatics	29.6	<u>B J</u>	14.0	100	1	05/19/2016 22:55	WG873851
C19-C36 Aliphatics	20.9	<u>B J</u>	8.53	100	1	05/19/2016 22:55	WG873851
C11-C22 Aromatics	26.8	<u>J</u>	21.1	100	1	05/19/2016 23:57	WG873851
(S) o-Terphenyl	79.0			40.0-140		05/19/2016 23:57	WG873851
(S) 1-Chloro-octadecane	74.6			40.0-140		05/19/2016 22:55	WG873851
(S) 2-Fluorobiphenyl	92.5			40.0-140		05/19/2016 23:57	WG873851
(S) 2-Bromonaphthalene	88.6			40.0-140		05/19/2016 23:57	WG873851

80.1-120

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acenaphthene	U		0.316	1.00	1	05/19/2016 07:48	WG873225
Acenaphthylene	U		0.309	1.00	1	05/19/2016 07:48	WG873225
Anthracene	U		0.291	1.00	1	05/19/2016 07:48	WG873225
Benzidine	U		4.32	10.0	1	05/19/2016 07:48	WG873225
Benzo(a)anthracene	U		0.0975	1.00	1	05/19/2016 07:48	WG873225
Benzo(b)fluoranthene	U		0.0896	1.00	1	05/19/2016 07:48	WG873225
Benzo(k)fluoranthene	U		0.355	1.00	1	05/19/2016 07:48	WG873225
Benzo(g,h,i)perylene	U		0.161	1.00	1	05/19/2016 07:48	WG873225
Benzo(a)pyrene	U		0.340	1.00	1	05/19/2016 07:48	WG873225
Bis(2-chlorethoxy)methane	U		0.329	10.0	1	05/19/2016 07:48	WG873225
Bis(2-chloroethyl)ether	U		1.62	10.0	1	05/19/2016 07:48	WG873225
Bis(2-chloroisopropyl)ether	U		0.445	10.0	1	05/19/2016 07:48	WG873225
4-Bromophenyl-phenylether	U		0.335	10.0	1	05/19/2016 07:48	WG873225
2-Chloronaphthalene	U		0.330	1.00	1	05/19/2016 07:48	WG873225

ACCOUNT: Duncklee and Dunham

PROJECT: 201659

SDG: L836194

05/18/2016 21:36

WG873662

DATE/TIME: 05/20/16 15:19

PAGE: 19 of 38

ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 17:55

L836194

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
4-Chlorophenyl-phenylether	U		0.303	10.0	1	05/19/2016 07:48	WG873225
Chrysene	U		0.332	1.00	1	05/19/2016 07:48	WG873225
Dibenz(a,h)anthracene	U		0.279	1.00	1	05/19/2016 07:48	WG873225
3,3-Dichlorobenzidine	U		2.02	10.0	1	05/19/2016 07:48	WG873225
2,4-Dinitrotoluene	U		1.65	10.0	1	05/19/2016 07:48	WG873225
2,6-Dinitrotoluene	U		0.279	10.0	1	05/19/2016 07:48	WG873225
Fluoranthene	U		0.310	1.00	1	05/19/2016 07:48	WG873225
Fluorene	U		0.323	1.00	1	05/19/2016 07:48	WG873225
Hexachlorobenzene	U		0.341	1.00	1	05/19/2016 07:48	WG873225
Hexachloro-1,3-butadiene	U		0.329	10.0	1	05/19/2016 07:48	WG873225
Hexachlorocyclopentadiene	U		2.33	10.0	1	05/19/2016 07:48	WG873225
Hexachloroethane	U		0.365	10.0	1	05/19/2016 07:48	WG873225
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	05/19/2016 07:48	WG873225
Isophorone	U		0.272	10.0	1	05/19/2016 07:48	WG873225
Naphthalene	U		0.372	1.00	1	05/19/2016 07:48	WG873225
Nitrobenzene	U		0.367	10.0	1	05/19/2016 07:48	WG873225
n-Nitrosodimethylamine	U		1.26	10.0	1	05/19/2016 07:48	WG873225
n-Nitrosodiphenylamine	U		0.304	10.0	1	05/19/2016 07:48	WG873225
n-Nitrosodi-n-propylamine	U		0.403	10.0	1	05/19/2016 07:48	WG873225
Phenanthrene	U		0.366	1.00	1	05/19/2016 07:48	WG873225
Benzylbutyl phthalate	U		0.275	3.00	1	05/19/2016 07:48	WG873225
Bis(2-ethylhexyl)phthalate	1.12	ВЈ	0.709	3.00	1	05/19/2016 07:48	WG873225
Di-n-butyl phthalate	0.804	ВЈ	0.266	3.00	1	05/19/2016 07:48	WG873225
Diethyl phthalate	U	_	0.282	3.00	1	05/19/2016 07:48	WG873225
Dimethyl phthalate	U		0.283	3.00	1	05/19/2016 07:48	WG873225
Di-n-octyl phthalate	1.01	BJ	0.278	3.00	1	05/19/2016 07:48	WG873225
Pyrene	U	_	0.330	1.00	1	05/19/2016 07:48	WG873225
1,2,4-Trichlorobenzene	U		0.355	10.0	1	05/19/2016 07:48	WG873225
4-Chloro-3-methylphenol	U		0.263	10.0	1	05/19/2016 07:48	WG873225
2-Chlorophenol	U		0.283	10.0	1	05/19/2016 07:48	WG873225
2,4-Dichlorophenol	U		0.284	10.0	1	05/19/2016 07:48	WG873225
2,4-Dimethylphenol	U		0.624	10.0	1	05/19/2016 07:48	WG873225
4,6-Dinitro-2-methylphenol	U		2.62	10.0	1	05/19/2016 07:48	WG873225
2,4-Dinitrophenol	U		3.25	10.0	1	05/19/2016 07:48	WG873225
2-Nitrophenol	U		0.320	10.0	1	05/19/2016 07:48	WG873225
4-Nitrophenol	U		2.01	10.0	1	05/19/2016 07:48	WG873225
Pentachlorophenol	U		0.313	10.0	1	05/19/2016 07:48	WG873225
Phenol	U		0.334	10.0	1	05/19/2016 07:48	WG873225
2,4,6-Trichlorophenol	U		0.297	10.0	1	05/19/2016 07:48	WG873225
(S) 2-Fluorophenol	40.3			10.0-77.9		05/19/2016 07:48	WG873225
(S) Phenol-d5	27.6			5.00-70.1		05/19/2016 07:48	WG873225
(S) Nitrobenzene-d5	55.9			21.8-123		05/19/2016 07:48	WG873225
(S) 2-Fluorobiphenyl	62.9			29.5-131		05/19/2016 07:48	WG873225

















61.0

74.4

(S) 2,4,6-Tribromophenol

(S) p-Terphenyl-d14

11.2-130

29.3-137

05/19/2016 07:48

05/19/2016 07:48

WG873225 WG873225

ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 18:25

Volatile Petroleum Hydrocarbons by Method MADEPV

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Volatile Petroleum Hydrocarbons	U		10.8	100	1	05/18/2016 19:57	WG873474
C5-C8 Aliphatics	U		9.31	100	1	05/18/2016 19:57	WG873474
C9-C12 Aliphatics	17.1	ВЈ	7.80	100	1	05/18/2016 19:57	WG873474
C9-C10 Aromatics	20.8	BJ	10.8	100	1	05/18/2016 19:57	WG873474
(S) 2,5-Dibromotoluene(FID)	106			70.0-130		05/18/2016 19:57	WG873474
(S) 2,5-Dibromotoluene(PID)	105			70.0-130		05/18/2016 19:57	WG873474









	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	ug/l		ug/l	ug/l		date / time	
Acetone	U		10.0	50.0	1	05/18/2016 21:53	WG873662
Acrolein	U	<u>J4</u>	8.87	50.0	1	05/18/2016 21:53	WG873662
Acrylonitrile	U		1.87	10.0	1	05/18/2016 21:53	WG873662
Benzene	U		0.331	1.00	1	05/18/2016 21:53	WG873662
Bromobenzene	U		0.352	1.00	1	05/18/2016 21:53	WG873662
Bromodichloromethane	U		0.380	1.00	1	05/18/2016 21:53	WG873662
Bromoform	U		0.469	1.00	1	05/18/2016 21:53	WG873662
Bromomethane	U		0.866	5.00	1	05/18/2016 21:53	WG873662
n-Butylbenzene	U		0.361	1.00	1	05/18/2016 21:53	WG873662
sec-Butylbenzene	U		0.365	1.00	1	05/18/2016 21:53	WG873662
ert-Butylbenzene	U		0.399	1.00	1	05/18/2016 21:53	WG873662
Carbon tetrachloride	U		0.379	1.00	1	05/18/2016 21:53	WG873662
Chlorobenzene	U		0.348	1.00	1	05/18/2016 21:53	WG873662
Chlorodibromomethane	U		0.327	1.00	1	05/18/2016 21:53	WG873662
Chloroethane	U		0.453	5.00	1	05/18/2016 21:53	WG873662
2-Chloroethyl vinyl ether	U		3.01	50.0	1	05/18/2016 21:53	WG873662
Chloroform	U		0.324	5.00	1	05/18/2016 21:53	WG873662
Chloromethane	U		0.276	2.50	1	05/18/2016 21:53	WG873662
2-Chlorotoluene	U		0.375	1.00	1	05/18/2016 21:53	WG873662
1-Chlorotoluene	U		0.351	1.00	1	05/18/2016 21:53	WG873662
I,2-Dibromo-3-Chloropropane	U		1.33	5.00	1	05/18/2016 21:53	WG873662
I,2-Dibromoethane	U		0.381	1.00	1	05/18/2016 21:53	WG873662
Dibromomethane	U		0.346	1.00	1	05/18/2016 21:53	WG873662
I,2-Dichlorobenzene	U		0.349	1.00	1	05/18/2016 21:53	WG873662
,3-Dichlorobenzene	U		0.220	1.00	1	05/18/2016 21:53	WG873662
,4-Dichlorobenzene	U		0.274	1.00	1	05/18/2016 21:53	WG873662
Dichlorodifluoromethane	U	I/I	0.551	5.00	1	05/18/2016 21:53	WG873662
,1-Dichloroethane	U	<u>J4</u>	0.259	1.00	1	05/18/2016 21:53	WG873662
,2-Dichloroethane	U		0.255	1.00	1	05/18/2016 21:53	WG873662
,1-Dichloroethene	U		0.398	1.00	1	05/18/2016 21:53	WG873662
tis-1,2-Dichloroethene	U		0.398	1.00	1	05/18/2016 21:53	WG873662
rans-1,2-Dichloroethene	U		0.200	1.00	1	05/18/2016 21:53	WG873662
I,2-Dichloropropane	U		0.306	1.00	1	05/18/2016 21:53	WG873662
					1		
,1-Dichloropropene	U		0.352	1.00	1	05/18/2016 21:53	WG873662
,3-Dichloropropane	U		0.366	1.00	1	05/18/2016 21:53	WG873662
rans 1.3 Dichloropropene	U		0.418	1.00	1	05/18/2016 21:53	WG873662
rans-1,3-Dichloropropene	U		0.419	1.00	1	05/18/2016 21:53	WG873662
2,2-Dichloropropane	U		0.321	1.00	1	05/18/2016 21:53	WG873662
Di-isopropyl ether	U		0.320	1.00	1	05/18/2016 21:53	WG873662
Ethylbenzene	U		0.384	1.00	1	05/18/2016 21:53	WG873662
Hexachloro-1,3-butadiene	U		0.256	1.00	1	05/18/2016 21:53	WG873662
sopropylbenzene	U		0.326	1.00	1	05/18/2016 21:53	WG873662
o-Isopropyltoluene	U		0.350	1.00	1	05/18/2016 21:53	WG873662
2-Butanone (MEK)	U		3.93	10.0	1	05/18/2016 21:53	WG873662
Methylene Chloride	U		1.00	5.00	1	05/18/2016 21:53	WG873662













Analyte

Naphthalene

n-Propylbenzene Styrene

Tetrachloroethene

1,2,3-Trichlorobenzene

1,2,4-Trichlorobenzene

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Trichlorofluoromethane

1,2,3-Trichloropropane

1,2,4-Trimethylbenzene

1,2,3-Trimethylbenzene

1,3,5-Trimethylbenzene

Vinyl chloride

Xylenes, Total

(S) Toluene-d8

(S) Dibromofluoromethane

(S) 4-Bromofluorobenzene

Trichloroethene

Toluene

SAMPLE RESULTS - 06

RDL

ug/l

10.0

1.00

5.00

1.00

1.00

1.00

1.00

1.00

1.00

5.00

1.00

1.00

1.00

1.00

1.00

5.00

2.50

1.00

1.00

1.00

1.00

3.00

90.0-115

79.0-121

80.1-120

1

1

1

1

1

1

1

ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 18:25

4-Methyl-2-pentanone (MIBK)

Methyl tert-butyl ether

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

1,1,2-Trichlorotrifluoroethane

Volatile Organic Compounds (GC/MS) by Method 8260B

Qualifier

MDL

ug/l

2.14

0.367

1.00

0.349

0.307

0.385

0.130

0.303

0.372

0.780

0.230

0.355

0.319

0.383

0.398

1.20

0.807

0.373

0.321

0.387

0.259

1.06

Result

ug/l

U

U

U

U

U

U

U

U

U

U

U

U

U

U

U

U

U

U

U

U

U

U

107

105

105

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					1
	Dilution	Analysis	Batch		Cp
		date / time			
	1	05/18/2016 21:53	WG873662		² Tc
	1	05/18/2016 21:53	WG873662		
	1	05/18/2016 21:53	WG873662		3
	1	05/18/2016 21:53	WG873662		³Ss
	1	05/18/2016 21:53	WG873662		
	1	05/18/2016 21:53	WG873662		l⁴Cn
	1	05/18/2016 21:53	WG873662		
	1	05/18/2016 21:53	WG873662		5

WG873662

WG873662 WG873662

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Semi-Volatile Organic Compounds (GC) by Meth	ANDEDE

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Extractable Petroleum Hydrocarbon	39.8	J	33.0	100	1	05/19/2016 23:36	WG873851
C9-C18 Aliphatics	19.5	<u>B J</u>	14.0	100	1	05/19/2016 23:16	WG873851
C19-C36 Aliphatics	20.3	<u>B J</u>	8.53	100	1	05/19/2016 23:16	WG873851
C11-C22 Aromatics	U		21.1	100	1	05/19/2016 23:36	WG873851
(S) o-Terphenyl	67.0			40.0-140		05/19/2016 23:36	WG873851
(S) 1-Chloro-octadecane	59.9			40.0-140		05/19/2016 23:16	WG873851
(S) 2-Fluorobiphenyl	81.9			40.0-140		05/19/2016 23:36	WG873851
(S) 2-Bromonaphthalene	78.1			40.0-140		05/19/2016 23:36	WG873851

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	
Acenaphthene	U		0.316	1.00	1	05/19/2016 08:11	WG873225
Acenaphthylene	U		0.309	1.00	1	05/19/2016 08:11	WG873225
Anthracene	U		0.291	1.00	1	05/19/2016 08:11	WG873225
Benzidine	U		4.32	10.0	1	05/19/2016 08:11	WG873225
Benzo(a)anthracene	U		0.0975	1.00	1	05/19/2016 08:11	WG873225
Benzo(b)fluoranthene	U		0.0896	1.00	1	05/19/2016 08:11	WG873225
Benzo(k)fluoranthene	U		0.355	1.00	1	05/19/2016 08:11	WG873225
Benzo(g,h,i)perylene	U		0.161	1.00	1	05/19/2016 08:11	WG873225
Benzo(a)pyrene	U		0.340	1.00	1	05/19/2016 08:11	WG873225
Bis(2-chlorethoxy)methane	U		0.329	10.0	1	05/19/2016 08:11	WG873225
Bis(2-chloroethyl)ether	U		1.62	10.0	1	05/19/2016 08:11	WG873225
Bis(2-chloroisopropyl)ether	U		0.445	10.0	1	05/19/2016 08:11	WG873225
4-Bromophenyl-phenylether	U		0.335	10.0	1	05/19/2016 08:11	WG873225
2-Chloronaphthalene	U		0.330	1.00	1	05/19/2016 08:11	WG873225

ONE LAB. NATIONWIDE.

Collected date/time: 05/17/16 18:25

L836194

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	ug/l		ug/l	ug/l		date / time	_
4-Chlorophenyl-phenylether	U		0.303	10.0	1	05/19/2016 08:11	WG873225
Chrysene	U		0.332	1.00	1	05/19/2016 08:11	WG873225
Dibenz(a,h)anthracene	U		0.279	1.00	1	05/19/2016 08:11	WG873225
3,3-Dichlorobenzidine	U		2.02	10.0	1	05/19/2016 08:11	WG873225
2,4-Dinitrotoluene	U		1.65	10.0	1	05/19/2016 08:11	WG873225
2,6-Dinitrotoluene	U		0.279	10.0	1	05/19/2016 08:11	WG873225
Fluoranthene	U		0.310	1.00	1	05/19/2016 08:11	WG873225
Fluorene	U		0.323	1.00	1	05/19/2016 08:11	WG873225
Hexachlorobenzene	U		0.341	1.00	1	05/19/2016 08:11	WG873225
Hexachloro-1,3-butadiene	U		0.329	10.0	1	05/19/2016 08:11	WG873225
Hexachlorocyclopentadiene	U		2.33	10.0	1	05/19/2016 08:11	WG873225
Hexachloroethane	U		0.365	10.0	1	05/19/2016 08:11	WG873225
Indeno(1,2,3-cd)pyrene	U		0.279	1.00	1	05/19/2016 08:11	WG873225
Isophorone	U		0.272	10.0	1	05/19/2016 08:11	WG873225
Naphthalene	U		0.372	1.00	1	05/19/2016 08:11	WG873225
Nitrobenzene	U		0.367	10.0	1	05/19/2016 08:11	WG873225
n-Nitrosodimethylamine	U		1.26	10.0	1	05/19/2016 08:11	WG873225
n-Nitrosodiphenylamine	U		0.304	10.0	1	05/19/2016 08:11	WG873225
n-Nitrosodi-n-propylamine	U		0.403	10.0	1	05/19/2016 08:11	WG873225
Phenanthrene	U		0.366	1.00	1	05/19/2016 08:11	WG873225
Benzylbutyl phthalate	U		0.275	3.00	1	05/19/2016 08:11	WG873225
Bis(2-ethylhexyl)phthalate	1.05	ВЈ	0.709	3.00	1	05/19/2016 08:11	WG873225
Di-n-butyl phthalate	0.803	B J	0.266	3.00	1	05/19/2016 08:11	WG873225
Diethyl phthalate	U	_	0.282	3.00	1	05/19/2016 08:11	WG873225
Dimethyl phthalate	U		0.283	3.00	1	05/19/2016 08:11	WG873225
Di-n-octyl phthalate	U		0.278	3.00	1	05/19/2016 08:11	WG873225
Pyrene	U		0.330	1.00	1	05/19/2016 08:11	WG873225
1,2,4-Trichlorobenzene	U		0.355	10.0	1	05/19/2016 08:11	WG873225
4-Chloro-3-methylphenol	U		0.263	10.0	1	05/19/2016 08:11	WG873225
2-Chlorophenol	U		0.283	10.0	1	05/19/2016 08:11	WG873225
2,4-Dichlorophenol	U		0.284	10.0	1	05/19/2016 08:11	WG873225
2,4-Dimethylphenol	U		0.624	10.0	1	05/19/2016 08:11	WG873225
4,6-Dinitro-2-methylphenol	U		2.62	10.0	1	05/19/2016 08:11	WG873225
2,4-Dinitrophenol	U		3.25	10.0	1	05/19/2016 08:11	WG873225
2-Nitrophenol	U		0.320	10.0	1	05/19/2016 08:11	WG873225
4-Nitrophenol	U		2.01	10.0	1	05/19/2016 08:11	WG873225
Pentachlorophenol	U		0.313	10.0	1	05/19/2016 08:11	WG873225
Phenol	U		0.334	10.0	1	05/19/2016 08:11	WG873225
2,4,6-Trichlorophenol	U		0.297	10.0	1	05/19/2016 08:11	WG873225
(S) 2-Fluorophenol	35.8			10.0-77.9		05/19/2016 08:11	WG873225
(S) Phenol-d5	25.5			5.00-70.1		05/19/2016 08:11	WG873225
(S) Nitrobenzene-d5	48.9			21.8-123		05/19/2016 08:11	WG873225
(S) 2-Fluorobiphenyl	59.7			29.5-131		05/19/2016 08:11	WG873225
17 15 - 7							







Cn











61.7

71.5

(S) 2,4,6-Tribromophenol

(S) p-Terphenyl-d14

11.2-130

29.3-137

05/19/2016 08:11

05/19/2016 08:11

WG873225 WG873225

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Volatile Petroleum Hydrocarbons by Method MADEPV

L836194-01,02,03,04,05,06

Method Blank (MB)

(MB) R3138202-3 05/18/16	3 16:27			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
C5-C8 Aliphatics	9.54	<u>J</u>	9.31	100
C9-C12 Aliphatics	16.5	<u>J</u>	7.80	100
C9-C10 Aromatics	20.6	<u>J</u>	10.8	100
(S) 2,5-Dibromotoluene(FID)	98.9			70.0-130
(S) 2,5-Dibromotoluene(PID)	99.7			70.0-130

²Tc





Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3138202-1 05	5/18/16 12:59 • (LCSD) R3138202-2	05/18/16 13:32								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier RF	PD	RPD Limits	
Analyte	ug/l	ug/l	ug/l	%	%	%		%		%	
C5-C8 Aliphatics	1200	1190	1150	99.1	95.5	70.0-130		3.	67	25	
C9-C12 Aliphatics	1400	1500	1420	107	102	70.0-130		5.	28	25	
C9-C10 Aromatics	200	234	219	117	110	70.0-130		6.	52	25	
(S) 2,5-Dibromotoluene	ne(FID)			100	103	70.0-130					
(S) 2,5-Dibromotoluene	ne(PID)			101	103	70.0-130					











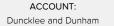
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Volatile Organic Compounds (GC/MS) by Method 8260B

L836194-01,02,03,04,05,06

Method Blank (MB)

(MB) R3138149-3 05/18/16	18:26			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	ug/l		ug/l	ug/l
Acetone	U		10.0	50.0
Acrolein	U		8.87	50.0
Acrylonitrile	U		1.87	10.0
Benzene	U		0.331	1.00
Bromobenzene	U		0.352	1.00
Bromodichloromethane	U		0.380	1.00
Bromoform	U		0.469	1.00
Bromomethane	U		0.866	5.00
n-Butylbenzene	U		0.361	1.00
sec-Butylbenzene	U		0.365	1.00
tert-Butylbenzene	U		0.399	1.00
Carbon tetrachloride	U		0.379	1.00
Chlorobenzene	U		0.348	1.00
Chlorodibromomethane	U		0.327	1.00
Chloroethane	U		0.453	5.00
2-Chloroethyl vinyl ether	U		3.01	50.0
Chloroform	U		0.324	5.00
Chloromethane	U		0.276	2.50
2-Chlorotoluene	U		0.375	1.00
4-Chlorotoluene	U		0.351	1.00
1,2-Dibromo-3-Chloropropane	U		1.33	5.00
1,2-Dibromoethane	U		0.381	1.00
Dibromomethane	U		0.346	1.00
1,2-Dichlorobenzene	U		0.349	1.00
1,3-Dichlorobenzene	U		0.220	1.00
1,4-Dichlorobenzene	U		0.274	1.00
Dichlorodifluoromethane	U		0.551	5.00
1,1-Dichloroethane	U		0.259	1.00
1,2-Dichloroethane	U		0.361	1.00
1,1-Dichloroethene	U		0.398	1.00
cis-1,2-Dichloroethene	U		0.260	1.00
trans-1,2-Dichloroethene	U		0.396	1.00
1,2-Dichloropropane	U		0.306	1.00
1,1-Dichloropropene	U		0.352	1.00
1,3-Dichloropropane	U		0.366	1.00
cis-1,3-Dichloropropene	U		0.418	1.00



ONE LAB. NATIONWIDE.

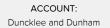
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Volatile Organic Compounds (GC/MS) by Method 8260B

L836194-01,02,03,04,05,06

Method Blank (MB)

(MB) R3138149-3 05/18/16 18:26	MB MDL ug/l	MB RDL
trans-1,3-Dichloropropene U	 ug/l	
		ug/l
2,2-Dichloropropane U	0.419	1.00
	0.321	1.00
Di-isopropyl ether U	0.320	1.00
Ethylbenzene U	0.384	1.00
Hexachloro-1,3-butadiene U	0.256	1.00
Isopropylbenzene U	0.326	1.00
2-Butanone (MEK) U	3.93	10.0
p-Isopropyltoluene U	0.350	1.00
Methylene Chloride U	1.00	5.00
4-Methyl-2-pentanone (MIBK) U	2.14	10.0
Methyl tert-butyl ether U	0.367	1.00
Naphthalene U	1.00	5.00
Styrene U	0.307	1.00
1,1,2,2-Tetrachloroethane U	0.130	1.00
n-Propylbenzene U	0.349	1.00
Tetrachloroethene U	0.372	1.00
1,1,1,2-Tetrachloroethane U	0.385	1.00
Toluene U	0.780	5.00
1,1,2-Trichlorotrifluoroethane U	0.303	1.00
1,2,3-Trichlorobenzene U	0.230	1.00
1,2,4-Trichlorobenzene U	0.355	1.00
1,1,1-Trichloroethane U	0.319	1.00
1,1,2-Trichloroethane U	0.383	1.00
Trichloroethene U	0.398	1.00
Trichlorofluoromethane U	1.20	5.00
1,2,3-Trimethylbenzene U	0.321	1.00
1,2,4-Trimethylbenzene U	0.373	1.00
1,3,5-Trimethylbenzene U	0.387	1.00
1,2,3-Trichloropropane U	0.807	2.50
Vinyl chloride U	0.259	1.00
Xylenes, Total U	1.06	3.00
(S) Toluene-d8 103		90.0-115
(S) Dibromofluoromethane 96.5		79.0-121
(S) 4-Bromofluorobenzene 93.5		80.1-120



ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC/MS) by Method 8260B

L836194-01,02,03,04,05,06

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3138149-1 05/18/16	16:49 • (LCSD)	R3138149-2	05/18/16 17:06								
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%	
Acetone	125	159	162	127	129	28.7-175			1.86	20.9	
Acrolein	125	232	234	186	187	40.4-172	<u>J4</u>	<u>J4</u>	0.750	20	
Acrylonitrile	125	128	126	102	101	58.2-145			1.09	20	
Benzene	25.0	25.1	23.6	101	94.2	73.0-122			6.44	20	
Bromobenzene	25.0	24.0	23.2	96.0	92.6	81.5-115			3.52	20	
Bromodichloromethane	25.0	24.9	23.6	99.4	94.5	75.5-121			5.13	20	
Bromoform	25.0	22.8	22.7	91.4	90.7	71.5-131			0.750	20	
Bromomethane	25.0	28.4	28.2	114	113	22.4-187			0.810	20	
n-Butylbenzene	25.0	24.4	23.2	97.7	92.8	75.9-134			5.13	20	
sec-Butylbenzene	25.0	25.3	24.8	101	99.1	80.6-126			2.00	20	
tert-Butylbenzene	25.0	25.5	24.5	102	98.1	79.3-127			3.91	20	
Carbon tetrachloride	25.0	23.3	22.5	93.0	89.9	70.9-129			3.36	20	
Chlorobenzene	25.0	25.2	23.7	101	94.8	79.7-122			6.21	20	
Chlorodibromomethane	25.0	24.2	23.1	96.8	92.2	78.2-124			4.89	20	
Chloroethane	25.0	26.9	26.5	108	106	41.2-153			1.71	20	
2-Chloroethyl vinyl ether	125	33.4	35.4	26.7	28.3	23.4-162			5.77	23.5	
Chloroform	25.0	25.5	24.3	102	97.3	73.2-125			4.66	20	
Chloromethane	25.0	27.0	26.5	108	106	55.8-134			2.08	20	
2-Chlorotoluene	25.0	23.6	23.2	94.3	92.7	76.4-125			1.75	20	
I,2-Dibromo-3-Chloropropane	25.0	21.5	20.7	85.9	82.9	64.8-131			3.55	20	
4-Chlorotoluene	25.0	24.8	24.2	99.4	96.8	81.5-121			2.67	20	
1,2-Dibromoethane	25.0	24.1	22.5	96.5	90.1	79.8-122			6.84	20	
1,2-Dichlorobenzene	25.0	24.6	23.5	98.3	93.9	84.7-118			4.55	20	
Dibromomethane	25.0	23.7	23.2	94.7	93.0	79.5-118			1.88	20	
1,3-Dichlorobenzene	25.0	24.0	24.0	95.8	96.1	77.6-127			0.290	20	
1,4-Dichlorobenzene	25.0	24.0	22.6	95.9	90.4	82.2-114			5.86	20	
Dichlorodifluoromethane	25.0	35.8	34.6	143	138	56.0-134	<u>J4</u>	<u>J4</u>	3.62	20	
1,1-Dichloroethane	25.0	25.9	24.3	104	97.3	71.7-127	_	_	6.35	20	
1,2-Dichloroethane	25.0	24.7	23.0	98.8	92.0	65.3-126			7.13	20	
,1-Dichloroethene	25.0	27.4	26.3	110	105	59.9-137			4.24	20	
cis-1,2-Dichloroethene	25.0	25.8	24.5	103	98.1	77.3-122			5.25	20	
trans-1,2-Dichloroethene	25.0	26.7	26.2	107	105	72.6-125			1.99	20	
1,2-Dichloropropane	25.0	24.9	23.8	99.5	95.4	77.4-125			4.18	20	
1,1-Dichloropropene	25.0	26.7	24.5	107	97.9	72.5-127			8.86	20	
1,3-Dichloropropane	25.0	24.7	23.0	99.0	91.8	80.6-115			7.48	20	























25.0

cis-1,3-Dichloropropene

94.5

77.7-124

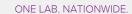
23.6

25.5

102

7.59

20



Volatile Organic Compounds (GC/MS) by Method 8260B

L836194-01,02,03,04,05,06

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3138149-1 05/18/16	16:49 • (LCSD)	R3138149-2 (05/18/16 17:06							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
trans-1,3-Dichloropropene	25.0	24.8	22.8	99.3	91.3	73.5-127			8.41	20
2,2-Dichloropropane	25.0	24.4	24.0	97.7	95.9	61.3-134			1.87	20
Di-isopropyl ether	25.0	24.3	23.0	97.1	92.0	65.1-135			5.42	20
Ethylbenzene	25.0	24.9	23.7	99.7	95.0	80.9-121			4.80	20
Hexachloro-1,3-butadiene	25.0	24.8	24.0	99.1	96.2	73.7-133			3.05	20
Isopropylbenzene	25.0	25.5	24.8	102	99.1	81.6-124			2.83	20
2-Butanone (MEK)	125	113	110	90.6	87.7	46.4-155			3.29	20
p-Isopropyltoluene	25.0	25.1	25.0	100	100	77.6-129			0.210	20
Methylene Chloride	25.0	25.3	24.9	101	99.6	69.5-120			1.45	20
4-Methyl-2-pentanone (MIBK)	125	122	122	97.4	97.5	63.3-138			0.0500	20
Methyl tert-butyl ether	25.0	24.1	23.8	96.3	95.3	70.1-125			1.09	20
Naphthalene	25.0	22.5	22.8	90.1	91.1	69.7-134			1.08	20
n-Propylbenzene	25.0	25.7	24.9	103	99.6	81.9-122			3.32	20
Styrene	25.0	24.7	23.9	98.9	95.6	79.9-124			3.43	20
1,1,1,2-Tetrachloroethane	25.0	23.5	22.7	94.1	90.9	78.5-125			3.40	20
1,1,2,2-Tetrachloroethane	25.0	23.1	23.4	92.5	93.8	79.3-123			1.40	20
Tetrachloroethene	25.0	26.1	23.9	105	95.8	73.5-130			8.73	20
Toluene	25.0	25.5	24.3	102	97.2	77.9-116			4.96	20
1,1,2-Trichlorotrifluoroethane	25.0	27.8	26.9	111	108	62.0-141			3.13	20
1,2,3-Trichlorobenzene	25.0	23.0	23.2	91.9	92.7	75.7-134			0.890	20
1,2,4-Trichlorobenzene	25.0	23.4	22.7	93.7	90.6	76.1-136			3.29	20
1,1,1-Trichloroethane	25.0	27.2	26.1	109	104	71.1-129			4.28	20
1,1,2-Trichloroethane	25.0	24.0	22.6	96.0	90.5	81.6-120			5.92	20
Trichloroethene	25.0	26.5	24.5	106	97.8	79.5-121			8.05	20
Trichlorofluoromethane	25.0	26.5	25.3	106	101	49.1-157			4.63	20
1,2,3-Trichloropropane	25.0	25.5	25.3	102	101	74.9-124			0.900	20
1,2,3-Trimethylbenzene	25.0	24.4	22.9	97.6	91.7	79.9-118			6.24	20
1,2,4-Trimethylbenzene	25.0	24.7	24.4	98.9	97.7	79.0-122			1.22	20
1,3,5-Trimethylbenzene	25.0	24.8	24.3	99.2	97.4	81.0-123			1.91	20
Vinyl chloride	25.0	28.5	28.3	114	113	61.5-134			0.730	20
Xylenes, Total	75.0	75.3	72.0	100	96.0	79.2-122			4.51	20
(S) Toluene-d8				106	109	90.0-115				
(S) Dibromofluoromethane				103	105	79.0-121				

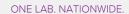
80.1-120



(S) 4-Bromofluorobenzene

102

98.5



Volatile Organic Compounds (GC/MS) by Method 8260B

L836194-01,02,03,04,05,06

L835739-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L835739-02 05/18/16 19:52 • (MS) R3138149-4 05/18/16 18:43 • (MSD) R3138149-5 05/18/16 19:01

sike Duplicate (MSD)	1
5/18/16 19:01	L

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Acetone	125	U	62.1	70.3	49.7	56.2	1	25.0-156			12.3	21.5
Acrolein	125	U	197	220	157	176	1	34.0-194			11.2	21.5
Acrylonitrile	125	U	112	125	89.6	100	1	55.9-161			11.1	20
Benzene	25.0	U	20.7	21.7	82.7	86.6	1	58.6-133			4.65	20
Bromobenzene	25.0	U	21.8	22.4	87.0	89.5	1	70.6-125			2.82	20
Bromodichloromethane	25.0	U	22.2	23.3	88.7	93.3	1	69.2-127			4.99	20
Bromoform	25.0	U	21.1	23.0	84.5	91.8	1	66.3-140			8.38	20
Bromomethane	25.0	U	19.4	20.2	77.7	80.7	1	16.6-183			3.81	20.5
n-Butylbenzene	25.0	U	22.0	22.8	88.1	91.1	1	64.8-145			3.31	20
sec-Butylbenzene	25.0	U	22.7	23.3	91.0	93.1	1	66.8-139			2.27	20
tert-Butylbenzene	25.0	U	22.6	23.2	90.5	92.8	1	67.1-138			2.43	20
Carbon tetrachloride	25.0	U	19.1	20.5	76.5	82.0	1	60.6-139			6.92	20
Chlorobenzene	25.0	U	21.9	22.7	87.6	90.7	1	70.1-130			3.43	20
Chlorodibromomethane	25.0	U	21.9	23.4	87.6	93.6	1	71.6-132			6.69	20
Chloroethane	25.0	U	19.9	20.3	79.5	81.1	1	33.3-155			1.99	20
2-Chloroethyl vinyl ether	125	U	16.1	8.48	12.9	6.78	1	5.00-149		<u>J3</u>	62.2	40
Chloroform	25.0	U	22.1	23.4	88.5	93.8	1	66.1-133			5.78	20
Chloromethane	25.0	U	17.0	17.8	68.1	71.1	1	40.7-139			4.28	20
2-Chlorotoluene	25.0	U	21.4	21.8	85.8	87.1	1	66.9-134			1.52	20
1,2-Dibromo-3-Chloropropane	25.0	U	18.7	21.6	74.7	86.5	1	63.9-142			14.6	20.2
4-Chlorotoluene	25.0	U	22.7	23.3	90.8	93.3	1	66.8-134			2.72	20
1,2-Dibromoethane	25.0	U	20.7	22.2	82.7	88.7	1	73.8-131			6.98	20
1,2-Dichlorobenzene	25.0	U	22.3	23.3	89.2	93.0	1	77.4-127			4.21	20
Dibromomethane	25.0	U	20.9	22.4	83.6	89.7	1	72.8-127			6.99	20
1,3-Dichlorobenzene	25.0	U	22.4	23.2	89.7	92.7	1	67.9-136			3.24	20
1,4-Dichlorobenzene	25.0	U	21.7	22.6	86.8	90.3	1	74.4-123			3.87	20
Dichlorodifluoromethane	25.0	U	23.2	24.5	92.7	97.9	1	42.2-146			5.42	20
1,1-Dichloroethane	25.0	U	22.1	23.1	88.5	92.4	1	64.0-134			4.31	20
1,2-Dichloroethane	25.0	U	21.1	22.8	84.6	91.3	1	60.7-132			7.58	20
1,1-Dichloroethene	25.0	U	21.1	21.6	84.3	86.4	1	48.8-144			2.40	20
cis-1,2-Dichloroethene	25.0	U	22.0	23.0	88.1	92.1	1	60.6-136			4.50	20
trans-1,2-Dichloroethene	25.0	U	20.7	21.5	82.6	86.0	1	61.0-132			4.04	20
1,2-Dichloropropane	25.0	U	22.0	22.8	88.0	91.4	1	69.7-130			3.69	20
1,1-Dichloropropene	25.0	U	20.6	21.7	82.3	86.7	1	61.5-136			5.17	20
1,3-Dichloropropane	25.0	U	21.7	22.9	86.9	91.8	1	74.3-123			5.46	20
cis-1,3-Dichloropropene	25.0	U	22.0	23.2	88.0	92.8	1	71.1-129			5.30	20



















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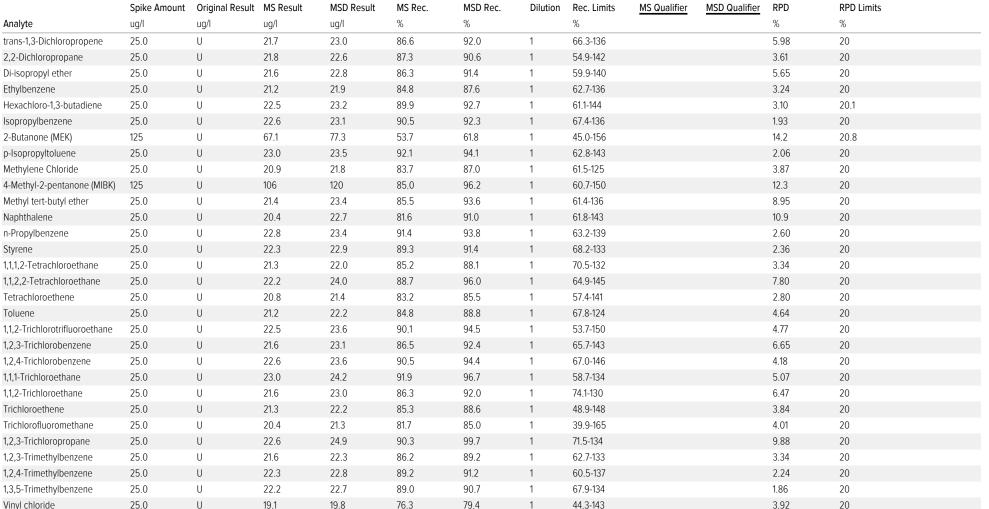
Volatile Organic Compounds (GC/MS) by Method 8260B

L836194-01,02,03,04,05,06

L835739-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L835739-02 05/18/16 19:52 • (MS) R3138149-4 05/18/16 18:43 • (MSD) R3138149-5 05/18/16 19:01

ike Duplicate (MSD)		
5/18/16 19:01		





















75.0

Xylenes, Total

(S) Toluene-d8

(S) Dibromofluoromethane

(S) 4-Bromofluorobenzene

U

65.5

66.8

87.3

108

105

102

89.1

107

105

100

1

65.6-133

90.0-115

79.0-121

80.1-120

2.08

20

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Semi-Volatile Organic Compounds (GC) by Method MADEPE

L836194-01,02,03,04,05,06

Method Blank (MB)

(MB) R3138587-1 05/19/1	(MB) R3138587-1 05/19/16 18:01								
	MB Result	MB Qualifier	MB MDL	MB RDL					
Analyte	ug/l		ug/l	ug/l					
C9-C18 Aliphatics	20.8	<u>J</u>	14.0	100					
C19-C36 Aliphatics	18.8	<u>J</u>	8.53	100					
(S) 1-Chloro-octadecane	70.6			40.0-140					







(MB) R3138587-4 05/19/1	MB) R3138587-4 05/19/16 19:04								
	MB Result	MB Qualifier	MB MDL	MB RDL					
Analyte	ug/l		ug/l	ug/l					
C11-C22 Aromatics	U		21.1	100					
(S) o-Terphenyl	80.5			40.0-140					
(S) 2-Fluorobiphenyl	93.0			40.0-140					
(S) 2-Bromonaphthalene	89.0			40.0-140					









Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3138587-2 05/19/	.CS) R3138587-2 05/19/16 18:22 • (LCSD) R3138587-3 05/19/16 18:43											
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%		
C9-C18 Aliphatics	600	323	339	53.8	56.5	40.0-140			4.91	50		
C19-C36 Aliphatics	800	521	564	65.2	70.5	40.0-140			7.78	50		
(S) 1-Chloro-octadecane				62.1	69.7	40.0-140						

Sc

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

Analyte Spike Amount LCS Result LCS Result LCS Result LCS Rec. LCSD Qualifier LCSD Qualifier RPD RPD Limits % % %
Analyte ug/l ug/l wg/l % % % %
C11-C22 Aromatics 1700 1120 1070 65.8 62.8 40.0-140 4.69 50
(S) o-Terphenyl 61.1 58.2 40.0-140
(S) 2-Fluorobiphenyl 81.6 75.9 40.0-140
(S) 2-Bromonaphthalene 78.3 72.8 40.0-140

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Semi Volatile Organic Compounds (GC/MS) by Method 8270D

L836194-01,02,03,04,05,06

Method Blank (MB)

Konapublene U 0.316 1.00 Cerabithylene U 0.29 1.00 Herratine U 0.29 1.00 Herratine U 0.975 1.00 Herratine U 0.986 1.00 Herratine Herratine U 0.985 1.00 Herratine Herratine U 0.316 1.00 Herratine Herratine U 0.340 1.00 Herratine Herratine U 0.320 1.00 Herratine Herratine U 0.329 1.00 Herratine Herratine U 0.329 1.00 Herratine Herratine U 0.335 1.00 Herratine Herratine U 0.330 1.00 Herratine Herratine U 0.322 1.00 Best Bio Herratine Herratine U 0.323 1.00 Best Bio Herratine Herratine U 0.32 1.00 Best Bio Herratine Herratine U 0.32 1.00 Best	(MB) R3138192-3 05/19/16	6 05:27				
Konapublene U 0.316 1.00 Cerabithylene U 0.29 1.00 Herratine U 0.29 1.00 Herratine U 0.975 1.00 Herratine U 0.986 1.00 Herratine Herratine U 0.985 1.00 Herratine Herratine U 0.316 1.00 Herratine Herratine U 0.340 1.00 Herratine Herratine U 0.320 1.00 Herratine Herratine U 0.329 1.00 Herratine Herratine U 0.329 1.00 Herratine Herratine U 0.335 1.00 Herratine Herratine U 0.330 1.00 Herratine Herratine U 0.322 1.00 Best Bio Herratine Herratine U 0.323 1.00 Best Bio Herratine Herratine U 0.32 1.00 Best Bio Herratine Herratine U 0.32 1.00 Best		MB Result	MB Qualifier	MB MDL	MB RDL	
Iccomplity Imprese U 0.39 100 Introducine U 0.291 1.00 Increoil Introducine U 0.095 1.00 Increoil Introducine U 0.095 1.00 Increoil Introducintene U 0.355 1.00 Increoil July James U 0.354 1.00 Increoil July James U 0.329 1.00 Infection Support July James U 0.45 1.00 Infection Support July James U 0.45 1.00 Infection Support July James U 0.33 1.00 Infection Support July James U 0.33 1.00 Infection Support July James U 0.32 1.00 Infection Support July James U 0.32 1.00 Infection Support July James U	Analyte	ug/l		ug/l	ug/l	
vibrocece U 0.291 1.00 democipiembraceme U 0.0975 1.00 democipiuroritheme U 0.0956 1.00 democipiuroritheme U 0.355 1.00 democipiuroritheme U 0.356 1.00 democipiuroritheme U 0.356 1.00 democipiuroritheme U 0.340 1.00 democipiuroritheme U 0.329 1.0 USSC-chiorencymethorytheme U 0.445 1.0 USSC-chiorencymethorytheme U 0.352 1.0 Chiorencymethorytheme U 0.353 1.0 Chiorencymethorytheme U 0.333 1.0 Chiorencymethorytheme U 0.332 1.0 All Ontrobleme U 0.323 1.0 All Ontrobleme U 0.379 1.0 All Ontrobleme U 0.372 1.0 Householder U 0.372 1.0 Householder<	Acenaphthene	U		0.316	1.00	
Percolation V	Acenaphthylene	U		0.309	1.00	
Rear Definition frame	Anthracene	U		0.291	1.00	
Renze Pullar anthene U	Benzidine	U		4.32	10.0	
beneglithorantheme U 0.355 1.00 beneglithpropheme U 0.161 1.00 bise-chrobopymetheme U 0.329 1.00 bise-chrobopymetheme U 0.229 1.00 bise-chrobopymetheme U 0.445 1.00 bisp-chrobopymethylehemyl	Benzo(a)anthracene	U		0.0975	1.00	
kearac(a), A)perylene U 0,360 1,00 bernze(p)rylene U 0,300 1,00 sis2,-diriorchorylyntham U 0,309 1,00 sis2,-diriorchorylyntham U 0,45 1,00 Bemophenyl-bernylether U 0,335 1,00 Chlorophenyl-phenyl-bernylether U 0,330 1,00 Chlorophenyl-p	Benzo(b)fluoranthene	U		0.0896	1.00	
Renzo(a)pyrene U 0.340 1,00 sicy2-chiorothoxymetha U 0.329 10.0 sicy2-chiorosphrybither U 0.45 10.0 sicy2-chiorosphrybither U 0.335 10.0	Benzo(k)fluoranthene	U		0.355	1.00	
Bis2_chloroethoxymethane U 0.329 10.0 Bis2_chloroethoxymethre U 162 10.0 Bis2_chloroethycyther U 0.435 10.0 LeBromophenyl-phenylether U 0.330 10.0 Chlorophenyl-phenylether U 0.332 1.00 Chlorophenyl-phenylether U 0.332 1.00 Chlorophenyl-phenylether U 0.322 1.00 Chlorophenyl-phenylether U 0.322 1.00 Obberrick Jamithracene U 0.279 1.00 Ay-Dinitrofolucene U 0.310 1.00 Houranthene U 0.323 1.00 Houranthene U 0.325 1.00 Houranthene U 0.372 1.00 Ho	Benzo(g,h,i)perylene	U		0.161	1.00	
882 - chloroethyllether U 6.42 10.0 1822 - chlorospyrjether U 0.445 10.0 18-Chlorophrytherwither U 0.330 1.00 1-Chlorophrytherwither U 0.332 1.00 1-Chlorophrytherwither U 0.332 1.00 1-Chrophrytherwither U 0.332 1.00 1-Chrophrytherwither U 0.323 1.00 1-Special Alparthracene U 0.323 1.00 1-Special Alparthracene U 0.323 1.00 2-Chloritoroburene U 0.310 1.00 2-Chloritoroburene U 0.332 1.00 4-exachloropharitene U 0.332 1.00 4-exachloropharitene U 0.332 1.00 4-exachloropharitene U 0.335 1.00 4-exachloropharitene U 0.365 1.00 4-exachloropharitene U 0.372 1.00 4-exachloropharitene U 0.372	Benzo(a)pyrene	U		0.340	1.00	
Bis (2-chlorospropyl)ether (1) 0 0.45 10.0 H-Brompheryl-prenylether (2) 0 0.330 10.0 Chlorospharly-prenylether (2) 0 0.330 10.0 Chlorospharly-prenylether (2) 0 0.332 10.0 Chryson (2) 0 0.279 10.0 Schorospharline (2) 0 0.0 Schorospharline (2) 0 0.0 Schorospharline (2) 0 0.0 Brown (2) 0.0	Bis(2-chlorethoxy)methane	U		0.329	10.0	
Le Bromopheny-heny-heny-heny-heny-heny-heny-heny-	Bis(2-chloroethyl)ether	U		1.62	10.0	
2-Chioronaphthalene U 0.330 1.00 4-Chiorophyl-phenylether U 0.303 1.00 Libera(a,h)anthracene U 0.329 1.00 3,3-Dichrobenzidine U 2.02 1.00 4,4-Dinitrotoluene U 0.29 1.00 5,6-Dinitrotoluene U 0.310 1.00 6,4-Dinitrotoluene U 0.310 1.00 6,4-Dinitrotoluene U 0.331 1.00 6,4-Dinitrotoluene U 0.332 1.00 6,4-Binitrotoluene U 0.333 1.00 6,4-Binitrotoluene U 0.333 1.00 6,4-Backhlorod-Ja-Sutadiene U 0.341 1.00 6,4-Backhlorod-Ja-Sutadiene U 0.359 1.00 6,4-Backhlorod-Ja-Sutadiene U 0.365 1.00 6,4-Backhlorod-Ja-Sutadiene U 0.365 1.00 6,4-Backhlorod-Ja-Diporte U 0.372 1.00 8,4-Backhlorod-Ja-Diporte U 0.364	Bis(2-chloroisopropyl)ether	U		0.445	10.0	
4-Chioronaphthalene U 0.330 1.00 4-Chiorophy-hp-lyeletier U 0.332 1.00 Disenzia, hjanthracene U 0.279 1.00 3.3-Dichtorbenzidine U 2.02 1.00 4.4-Dinitroluene U 1.65 1.00 6.4-Dinitroluene U 0.310 1.00 6.4-Dinitroluene U 0.310 1.00 6.4-Dinitroluene U 0.323 1.00 6.4-Bushioro-1,3-butadiene U 0.323 1.00 6-exachioro-1,3-butadiene U 0.329 1.00 6-exachioro-1,3-butadiene U 0.323 1.00 6-exachioro-1,3-butadiene U 0.325 1.00 6-exachioro-1,3-butadiene U <	4-Bromophenyl-phenylether	U		0.335	10.0	
Chysene U 0.332 1.00 Dibenta(h)anthracene U 0.279 1.00 3.4 Dinitrotolerene U 1.65 1.0 4.4 Dinitrotolerene U 0.279 1.0 Guranthene U 0.310 1.00 Hurren U 0.323 1.00 Hexachloroberzene U 0.323 1.00 Hexachlorocyclopentadiene U 0.329 1.00 Hexachlorocyclopentadiene U 0.355 1.0 Hexachlorocyclopentadiene U 0.365 1.0 Hexachlorocyclopentadiene U 0.372 1.00 Alexachlorocyclopentadiene U 0.272 1.00 Alexachlorocyclopentadiene U 0.272 1.00 Alexachlorocyclopentadiene U 0.372 1.00 Alexachlorocyclopentadiene U 0.372 1.00 Alexachlorocyclopentadiene U 0.372 1.00 Alexachlorocyclopentadiene U 0.372 <t< td=""><td>2-Chloronaphthalene</td><td>U</td><td></td><td>0.330</td><td>1.00</td><td></td></t<>	2-Chloronaphthalene	U		0.330	1.00	
Bibenz(a,h)anthracene U 0.279 1.00 3.3-Dichforbenzidine U 2.02 10.0 4.4-Dinitrobluene U 1.65 10.0 5.6-Dinitrobluene U 0.310 1.00 Gluoranthene U 0.323 1.00 Hexachlorobenzene U 0.324 1.00 Hexachlorobenzidiene U 0.329 10.0 Hexachlorocytopentadiene U 0.329 10.0 Hexachlorocytopentadiene U 0.35 1.00 Hexachlorocytopentadiene U 0.35 1.00 Hexachlorocytopentadiene U 0.372 1.00 Hexachlorocytopentadiene U 0.372 1.00 Herbinschlerene U 0.372 1.00 Hibrosodimethylamine U 0.361 1.00 Hibrosodiphenylamine U 0.403 1.00 Hibrosodiphenylamine U 0.403 1.00 Herbinschlerene U 0.403 1.00 <td>4-Chlorophenyl-phenylether</td> <td>U</td> <td></td> <td>0.303</td> <td>10.0</td> <td></td>	4-Chlorophenyl-phenylether	U		0.303	10.0	
3.3-Dichlorobenzidine U 2.02 10.0 2.4-Dinitrotoluene U 1.65 10.0 2.6-Dinitrotoluene U 0.279 10.0 Huorenthene U 0.310 1.00 Hexachlorobenzene U 0.341 1.00 Hexachlorocylapentadiene U 0.329 10.0 Hexachlorocylapentadiene U 0.365 10.0 Hexachlorocylapentadiene U 0.365 10.0 Hexachlorocylapene U 0.279 1.00 Hoppingene U 0.372 1.00 Hoppingene U 0.372 1.00 Hollowberzene U 0.367 10.0 Hollowberzene U 0.367 10.0 Hollowberzene U 0.364 10.0 Hollowberzene U 0.304 10.0 Hollowberzene U 0.304 10.0 Hollowberzene U 0.304 10.0 Hollowberzene U <td>Chrysene</td> <td>U</td> <td></td> <td>0.332</td> <td>1.00</td> <td></td>	Chrysene	U		0.332	1.00	
4. Polinitrolouene U 1.65 1.06 2. Polinitrolouene U 0.279 1.06 Hourene U 0.310 1.06 Housenberne U 0.324 1.06 Hexachlorobarene U 0.329 1.06 Hexachlorocyclopentadiene U 0.365 1.06 Hexachlorocyclopentadiene U 0.372 1.06 Houghthalene U 0.372 1.06 Holpharladiene U 0.372 1.06 Holpharladiene U 0.372 1.06 Holpharladiene U 0.372 1.06 Holpharladiene U 0.367 1.06 Holpharladiene U 0.367 1.06 Holpharladiene U 0.367 1.06 Holpharladiene U 0.304 1.06 Holpharladiene U 0.403 1.06 Holpharladiene U 0.403 1.06 Holpharladiene U <t< td=""><td>Dibenz(a,h)anthracene</td><td>U</td><td></td><td>0.279</td><td>1.00</td><td></td></t<>	Dibenz(a,h)anthracene	U		0.279	1.00	
2.6. Dinitrotoluene U 0.279 10.0 Cluoranthene U 0.310 1.00 Cluoranthene U 0.323 1.00 dexachlorobenzene U 0.341 1.00 dexachlorocyclopentadiene U 0.329 10.0 dexachlorocyclopentadiene U 0.365 10.0 dexachlorocyclopentadiene U 0.279 1.00 sophorone U 0.372 1.00 sophorone U 0.372 1.00 whitrosodi-propylamine U 0.367 10.0 whitrosodi-propylamine U 0.344 10.0 whitrosodi-propylamine U 0.304 10.0 <td>3,3-Dichlorobenzidine</td> <td>U</td> <td></td> <td>2.02</td> <td>10.0</td> <td></td>	3,3-Dichlorobenzidine	U		2.02	10.0	
Hurarthene U 0.310 1.00 Hurarch U 0.323 1.00 Hexachloro-In-Bexachloro-I	2,4-Dinitrotoluene	U		1.65	10.0	
Eluorene U 0.323 1.00 Hexachlorobenzene U 0.341 1.00 Hexachloroc-1,3-butadiene U 0.329 10.0 Hexachlorocyclopentadiene U 0.365 10.0 Hexachlorochane U 0.279 1.00 Alaphthalene U 0.272 10.0 Alaphthalene U 0.372 1.00 Hitrobenzene U 0.372 1.00 Hitrobenzene U 0.367 10.0 Hitrosodinethylamine U 0.304 10.0 Hitrosodinethylamine U 0.304 10.0 Hitrosodinethylamine U 0.403 10.0 Henanthrene U 0.403 10.0 Penanthrene U 0.364 1.00 Penanthrene U 0.366 1.00 Benanthrene U 0.366 1.00 Benanthrene U 0.275 3.00	2,6-Dinitrotoluene	U		0.279	10.0	
decachlorobenzene U 0.341 1.00 decachloro-1,3-butadiene U 0.329 10.0 decachlorocytopentadiene U 0.365 10.0 decachlorocytame U 0.279 1.00 dephthalene U 0.372 1.00 Alphthalene U 0.367 1.00 Hitrosodimethylamine U 0.364 1.00 Hitrosodiphenylamine U 0.304 1.00 Hitrosodin-propylamine U 0.304 1.00 Henanthrene U 0.403 1.00 Henanthrene U 0.366 1.00 Henanthrene U 0.366 1.00 Henanthrene U 0.375 3.00	Fluoranthene	U		0.310	1.00	
decachloro-1,3-butadiene U 0.329 10.0 decachlorocyclopentadiene U 0.365 10.0 decachloroethane U 0.279 1.00 dephotone U 0.272 10.0 Alphthalene U 0.372 1.00 Hitrosodimethylamine U 0.367 10.0 Hitrosodiphenylamine U 0.304 10.0 Phitrosodi-n-propylamine U 0.304 10.0 Phitrosodi-n-propylamine U 0.403 10.0 Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.365 3.00	Fluorene	U		0.323	1.00	
dexachlorocyclopentadiene U 2.33 10.0 dexachloroethane U 0.365 10.0 mdeno(1,2,3-cd)pyrene U 0.279 1.00 sophorone U 0.372 1.00 Naphthalene U 0.367 1.00 Nitrobenzene U 0.367 10.0 Nitrosodimethylamine U 1.26 10.0 Nitrosodiphenylamine U 0.304 10.0 Pritrosodin-propylamine U 0.403 10.0 Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.366 1.00	Hexachlorobenzene	U		0.341	1.00	
dexachloroethane U 0.365 10.0 indeno(1,2,3-cd)pyrene U 0.279 1.00 sophorone U 0.372 10.0 Naphthalene U 0.367 1.00 Introsodimethylamine U 0.367 10.0 Introsodiphenylamine U 0.304 10.0 Pritrosodi-n-propylamine U 0.304 10.0 Pritrosodi-n-propylamine U 0.403 10.0 Pritrosodi-n-propylamine U 0.403 10.0 Pritrosodi-n-propylamine U 0.366 1.00 Pritrosodi-n-propylamine U 0.366 1.00 Pritrosodi-n-propylamine U 0.275 3.00	Hexachloro-1,3-butadiene	U		0.329	10.0	
Indeno(1,2,3-cd)pyrene U 0.279 1.00 Isophtrone U 0.272 10.0 Isophtralene U 0.372 1.00 Introsodimethylamine U 0.367 10.0 Introsodiphenylamine U 0.304 10.0 Introsodi-n-propylamine U 0.403 10.0 Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.275 3.00	Hexachlorocyclopentadiene	U		2.33	10.0	
sophorone U 0.272 10.0 Naphthalene U 0.372 1.00 Nitrobenzene U 0.367 10.0 n-Nitrosodimethylamine U 1.26 10.0 n-Nitrosodiphenylamine U 0.304 10.0 Phenanthrene U 0.403 10.0 Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.275 3.00	Hexachloroethane	U		0.365	10.0	
Naphthalene U 0.372 1.00 Nitrobenzene U 0.367 10.0 n-Nitrosodimethylamine U 1.26 10.0 n-Nitrosodiphenylamine U 0.304 10.0 Phenanthrene U 0.403 10.0 Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.275 3.00	Indeno(1,2,3-cd)pyrene	U		0.279	1.00	
Nitrobenzene U 0.367 10.0 n-Nitrosodimethylamine U 1.26 10.0 n-Nitrosodiphenylamine U 0.304 10.0 n-Nitrosodi-n-propylamine U 0.403 10.0 Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.275 3.00	Isophorone	U		0.272	10.0	
n-Nitrosodimethylamine U 1.26 10.0 n-Nitrosodiphenylamine U 0.304 10.0 n-Nitrosodi-n-propylamine U 0.403 10.0 Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.275 3.00	Naphthalene	U		0.372	1.00	
n-Nitrosodiphenylamine U 0.304 10.0 n-Nitrosodi-n-propylamine U 0.403 10.0 n-Nitrosodi-n-propylamine U 0.403 10.0 n-Nitrosodi-n-propylamine U 0.366 1.00 n-Nitrosodi-n-propylamine U 0.366 3.00 n-Nitrosodi-n-propylamine U 0.366 3.00	Nitrobenzene	U		0.367	10.0	
n-Nitrosodi-n-propylamine U 0.403 10.0 Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.275 3.00	n-Nitrosodimethylamine	U		1.26	10.0	
Phenanthrene U 0.366 1.00 Benzylbutyl phthalate U 0.275 3.00	n-Nitrosodiphenylamine	U		0.304	10.0	
Benzylbutyl phthalate U 0.275 3.00	n-Nitrosodi-n-propylamine	U		0.403	10.0	
	Phenanthrene	U		0.366	1.00	
Nis(2-ethylhexyl)phthalate 0.964 <u>J</u> 0.709 3.00	Benzylbutyl phthalate	U		0.275	3.00	
	Bis(2-ethylhexyl)phthalate	0.964	<u>J</u>	0.709	3.00	



ONE LAB. NATIONWIDE.

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

L836194-01,02,03,04,05,06

Method Blank (MB)

(MB) R3138192-3 05/19/16	6 05:27				1
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	ug/l		ug/l	ug/l	2
Di-n-butyl phthalate	0.732	J	0.266	3.00	Ь
Diethyl phthalate	U		0.282	3.00	3 5
Dimethyl phthalate	U		0.283	3.00	Ľ
Di-n-octyl phthalate	1.01	<u>J</u>	0.278	3.00	4
Pyrene	U		0.330	1.00	
1,2,4-Trichlorobenzene	U		0.355	10.0	\vdash
4-Chloro-3-methylphenol	U		0.263	10.0	5 5
2-Chlorophenol	U		0.283	10.0	Ľ
2,4-Dichlorophenol	U		0.284	10.0	6
2,4-Dimethylphenol	U		0.624	10.0	6
4,6-Dinitro-2-methylphenol	U		2.62	10.0	
2,4-Dinitrophenol	U		3.25	10.0	7
2-Nitrophenol	U		0.320	10.0	L
4-Nitrophenol	U		2.01	10.0	8
Pentachlorophenol	U		0.313	10.0	1
Phenol	U		0.334	10.0	
2,4,6-Trichlorophenol	U		0.297	10.0	9 5
(S) Nitrobenzene-d5	49.3			21.8-123	Ľ
(S) 2-Fluorobiphenyl	53.8			29.5-131	
(S) p-Terphenyl-d14	63.3			29.3-137	
(S) Phenol-d5	21.0			5.00-70.1	
(S) 2-Fluorophenol	32.7			10.0-77.9	
(S) 2,4,6-Tribromophenol	50.6			11.2-130	

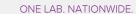
${\tt Laboratory\ Control\ Sample\ (LCS)} \bullet {\tt Laboratory\ Control\ Sample\ Duplicate\ (LCSD)}$

(LCS) R3138192-1 05/19/16 04:40 • (LCSD) R3138192-2 05/19/16 05:03												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%		
Acenaphthene	50.0	31.8	32.6	63.7	65.3	38.7-109			2.44	21.5		
Acenaphthylene	50.0	33.8	33.7	67.5	67.5	36.0-106			0.0300	21		
Anthracene	50.0	33.5	34.3	66.9	68.6	43.6-113			2.37	18.8		
Benzidine	50.0	25.4	25.2	50.8	50.4	10.0-165			0.800	40		
Benzo(a)anthracene	50.0	32.2	33.1	64.5	66.2	51.2-112			2.56	20		
Benzo(b)fluoranthene	50.0	33.4	33.9	66.7	67.9	47.6-111			1.72	20		
Benzo(k)fluoranthene	50.0	33.9	34.6	67.8	69.3	49.4-114			2.20	20		

Hexachlorocyclopentadiene

Hexachloroethane

QUALITY CONTROL SUMMARY



Semi Volatile Organic Compounds (GC/MS) by Method 8270D

L836194-01,02,03,04,05,06

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3138192-1 05/19/16 04:40 • (LCSD) R3138192-2 05/19/16 05:03

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%	
Benzo(g,h,i)perylene	50.0	34.4	34.6	68.9	69.1	45.2-117			0.330	20	
Benzo(a)pyrene	50.0	34.0	34.4	67.9	68.9	45.6-106			1.46	20	
Bis(2-chlorethoxy)methane	50.0	28.9	30.7	57.9	61.5	37.2-111			6.00	24.1	
Bis(2-chloroethyl)ether	50.0	25.8	25.7	51.6	51.4	22.6-108			0.440	27.9	
Bis(2-chloroisopropyl)ether	50.0	26.1	26.8	52.2	53.6	32.9-100			2.68	25.1	
4-Bromophenyl-phenylether	50.0	33.7	32.2	67.4	64.4	40.7-116			4.49	21	
2-Chloronaphthalene	50.0	28.5	29.7	57.0	59.3	33.6-105			3.91	23	
4-Chlorophenyl-phenylether	50.0	33.0	32.7	66.1	65.4	39.0-113			0.970	20.9	
Chrysene	50.0	33.1	33.9	66.2	67.8	54.6-120			2.34	20	
Dibenz(a,h)anthracene	50.0	34.6	34.7	69.3	69.3	42.8-118			0.0400	20	
3,3-Dichlorobenzidine	50.0	44.2	44.1	88.5	88.1	27.2-142			0.430	22.3	
2,4-Dinitrotoluene	50.0	34.5	35.0	69.1	70.1	31.2-105			1.40	22	
2,6-Dinitrotoluene	50.0	32.3	31.5	64.6	62.9	30.6-106			2.68	23.1	
Fluoranthene	50.0	34.4	33.9	68.8	67.8	45.9-115			1.47	20	
Fluorene	50.0	32.4	32.7	64.7	65.4	41.0-112			1.03	20.2	
Hexachlorobenzene	50.0	34.3	32.9	68.5	65.7	38.5-116			4.16	20.1	
Hexachloro-1,3-butadiene	50.0	23.1	23.1	46.2	46.1	16.1-104			0.230	31.2	

10.0-121

16.5-89.8





Indeno(1,2,3-cd)pyrene	50.0	35.2	35.1	70.4	70.2	45.0-116	0.230	20
Isophorone	50.0	29.3	31.6	58.6	63.2	35.4-112	7.53	21.5
Naphthalene	50.0	25.4	25.8	50.8	51.7	32.2-101	1.73	23.8
Nitrobenzene	50.0	25.3	26.0	50.6	52.0	31.4-106	2.86	25.7
n-Nitrosodimethylamine	50.0	10.5	11.7	20.9	23.4	10.0-80.1	10.9	37.5
n-Nitrosodiphenylamine	50.0	33.9	34.1	67.7	68.2	44.4-113	0.640	20
n-Nitrosodi-n-propylamine	50.0	27.8	29.7	55.7	59.4	33.2-106	6.45	23.7
Phenanthrene	50.0	31.2	31.7	62.4	63.5	46.4-113	1.75	20
Benzylbutyl phthalate	50.0	28.5	31.8	57.0	63.6	31.8-123	10.8	20.7
Bis(2-ethylhexyl)phthalate	50.0	28.1	31.4	56.2	62.8	36.9-134	11.1	23.6
Di-n-butyl phthalate	50.0	29.7	31.6	59.4	63.1	41.8-120	6.06	20.2
Diethyl phthalate	50.0	32.8	33.8	65.6	67.7	36.5-129	3.08	20
Dimethyl phthalate	50.0	35.1	33.6	70.3	67.3	35.3-128	4.38	20.8
Di-n-octyl phthalate	50.0	27.2	30.3	54.5	60.6	39.7-112	10.5	21.1
Pyrene	50.0	33.8	35.0	67.7	69.9	46.3-117	3.25	20
1,2,4-Trichlorobenzene	50.0	23.7	23.6	47.5	47.2	22.9-96.1	0.630	27.5
4-Chloro-3-methylphenol	50.0	30.5	31.7	61.1	63.5	35.7-100	3.82	22.9

51.6

41.9

50.0

50.0

25.4

20.2

25.8

20.9

50.7

40.4

1.77

3.52

27.9

30.7

ONE LAB. NATIONWIDE.

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

L836194-01,02,03,04,05,06

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS	R3138192-1	05/19/16	04:40 • ((LCSD)	R3138192-2	05/19/16 05:0)3

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	ug/l	ug/l	ug/l	%	%	%			%	%
2-Chlorophenol	50.0	24.6	24.3	49.2	48.6	26.2-91.5			1.28	26.5
2,4-Dichlorophenol	50.0	29.2	30.1	58.3	60.3	31.4-103			3.27	24.9
2,4-Dimethylphenol	50.0	28.7	29.4	57.5	58.8	31.9-107			2.22	25.7
4,6-Dinitro-2-methylphenol	50.0	31.4	31.2	62.8	62.4	18.4-148			0.550	24.4
2,4-Dinitrophenol	50.0	22.4	22.7	44.9	45.5	24.2-128			1.35	20.5
2-Nitrophenol	50.0	27.0	27.2	54.0	54.4	25.9-106			0.870	26.9
4-Nitrophenol	50.0	15.4	16.2	30.8	32.4	10.0-52.7			4.96	40
Pentachlorophenol	50.0	30.9	29.9	61.8	59.8	10.0-97.4			3.27	35.1
Phenol	50.0	13.3	13.0	26.5	26.0	10.0-57.9			2.17	35
2,4,6-Trichlorophenol	50.0	31.1	31.7	62.3	63.5	29.8-107			1.92	24.1
(S) Nitrobenzene-d5				49.1	52.9	21.8-123				
(S) 2-Fluorobiphenyl				56.7	59.8	29.5-131				
(S) p-Terphenyl-d14				65.7	67.0	29.3-137				
(S) Phenol-d5				22.5	23.4	5.00-70.1				
(S) 2-Fluorophenol				33.9	33.6	10.0-77.9				
(S) 2,4,6-Tribromophenol				68.5	67.2	11.2-130				



















GLOSSARY OF TERMS

ONE LAB. NATIONWIDE.



Sample Delivery Group.
Method Detection Limit.
Reported Detection Limit.
Not detected at the Reporting Limit (or MDL where applicable).
Relative Percent Difference.
Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Recovery.
Sample Detection Limit.
Method Quantitation Limit.
Unadjusted Method Quantitation Limit.

Qualifier	Description
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.



















DATE/TIME:

05/20/16 15:19



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.*** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Ilinois	200008	Oregon	TN200002
ndiana	C-TN-01	Pennsylvania	68-02979
owa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



















Company Name/Address:			Billing Info	ormation:				Total		Analysis / Co	ntainer / Pres	ervative	1 2 .	Chain of Custody Page 1 of 1				
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Kevin Ke	U	5-17-	-	2050						-	Courier							
Relinquished by : (Signature)		Date:		Time:	Received by: (Signa	ture)	Xd			Temp:		les Beceived:	COC	Fool Intert		N / NA		
Relinquished by : (Signature)		Date:		Time:	Received for lab by	Signa	ture)			Date: 5-18	Time	900		Seal Intact: ecked:	NCF:	_NNA		

Divider Page



Page____

ENVIRONMENTAL GEOLOGISTS & ENGINEERS

511 KEISLER DRIVE - SUITE 102 CARY, NORTH CAROLINA 27518

OFFICE:

(919) 858 - 9898 Website: www.dunckleedunham.com

DATE	Г	IOD NO		PROJECT					
DAT		JOB NO. 201659 F	7	PROJECT NAME:	May	ntaire			
LOC	5/17/16 ATION:			PRESENT					
NVIC A	Siler C	ity, NC		AT SITE: TEMPERA	KF	'K			
WEA	Rainy	* **		& TIME:	TURE	59°F	1815		
	ARTURE '	4-11-	AMB	SITE DEPA	RTURE	1041		AA PM	8
TIMI	IVAI	0745	PM	TIME		1945		AM	
TIMI	E (<u> </u>	PM	TIME		2130		PM	D
TH	E FOLLOWING	G WAS NOTED:							***************************************
	Begin loc	rating wells an	w ope	ming +	all	ow them	to ear	ulitrate	
	0	0	,	_		_	. 0		
	Well ID	DTW		Sam		Met	npte had		
	MW-1	1.33		126		The state of the s	- Flow	Submers. 6/e	
	MW-2	1.58		1625			taltic	Low-flow	
l caps	MW-3	1.07		1920			iler		
~	MW-4	4,78		1730			flow	Penstaltic	
-	** MW-5	8.65*		1755		Ba:			
	MW-6	5.25		1825		Bai			
	71100	0.25		1005		Oa	ie (
	* M 1	11 / / / / / / / / / / / / / / / / / /	. 11		in L	/	M	al 1	20/11/10
**	O 1 L	after developing.		mo accou	ung Ta	rechange	e , may	1 Not have 10	Chilips Comple
	Bailer Su	ich in well	ww	ce san	ypling	. Unale	Q 10	retrieve	
	Develop mint	of Wells				. //		<i>(</i>), <i>(</i>)	
	MW-1		als l	refore u	unung	dy. It.		tint Runge	another
(Summer de la c		~25 gal unt	il c	unstant	flow	of clean	wate	'n	
	MW-2 F	lurged ~ 5 gar	NOW A	Who	well.	son dry	b. bu	our tist, mu	day, no odor
	MW.3 T	rusage ~ 2.5 all	mala	Jone 118	II sen	day C	leas .	As order.	,
	MW-4 -	Rurged ~3.5 gal	low b	chose we	llron	dw. lt.	brown	List muddle	1. No odor
	MW-5	Purged ~5.0 go	llas	before u	rell re	on des. It	L. gray	Mack tint	so star
	MW-6 -	Rurged ~3.5 gal Rurged ~5.0 ga Rurged ~ 3.6 g	ellon	lukore 4	2112	on Ly. 1	Chino	lorsen tint	moder
				0400				,	7.0.2.4
123	O Depart 5	ite for ice, sup,	nlies	lunch					
1300	> Back on a	ite. Continue o	lovelor	in will	6				
2640	Accino 60 C	ied Ex to ship	81.2	ale c					
	End @	office after	donal	Vies S					
		ortice after	LLEMOB	111 2119	-	FIFI D D	FDOD	T //	
CO	OPIES TO					FIELD R	FLOR	114	

SIGNED_

DUN	CKLEE &	DUNHA	ERS	roundwater 5	Sample Collecti	on Record	Well/Sai	mple ID:	MW-1
Client: _ Project No:	Mon 20	Haire 1659 /		Toundwater	sample concer	on Record	Date:	5/17	116
Site Location:		1659 /- City, Painy	NC				Collector(s):	KPK	<u> </u>
		144 H			ER LEVEL DATA				
a. Well Depth:	133'	с. (Casing Diameter	2"		e. Calo	culated Well Vol. 2"=0.163 gallons/f	t and 4"=0.653 galle	(if needed) ons/ft
b. Depth to Water:	1.33	d. Leng	gth of Water Col.		_	f. Depti	n to Well Bottom		(if needed)
				WELL	L PURGING DATA		PAL .		
a. Purge Method /Equipment:	(Circle One)	Bailer	Peristaltic Pump	Submersible	Mid-Screen	Top of Water Column	3 to 5 Volumes		
b. Sample Equipment:	(Circle One)	Bailer	Peristaltic Pump	Submersible Pump	Other	(16.)	/11 500	L	
c. Purge Volume:	a	25	_(gallons)	e. Flow Rate	:	40m2	/ 11 sec	,	(goal is less than 475 mL/min.) (use 40 mL vial and watch)
d. Field Testing Eq	uipment Used:		Make			Model		(Calibration Method
	1)		YSI (Ch	voice)	5	56 mi	95	Mai	nual
	2)	Tu	obidity Me	ter	LaMo	He 2020	We	nle	anul
Acceptance Criteria =	+/- 0.01 ft.	0.1 SU	m³/cm	10 NTUs/ or 10%	0.2 mg/L or 10% (largest value)	NA	10%		bles in Tubing/ Back Flow in Tubing ID or PID Air Reading
Time	WL	pH	Spec. Cond	Turbidity	DO	T° C	ORP		Notes
(Military)	(ft bmp)	(Standard)	(Write Down)	(NTUs)	(mg/L)	(Celsius)	7 (mV)		
1136	13.52	7.88	0.258	21.1	5.55	5.40	11.0		
1140		8.29	0.250		5.11	19.30	-37.1		
1144	14.31	7.73	0.235		5.59	19.35	-25.3		
48 1742 KBK		8.03	0.232		5.79	19.55	-15.5		
1152	15.21	7.90	0.231	24.5	5.93	19.69	-4.9		
1156		7.65	0.231		6.25	19.67	4.0		
1200	16.90	7.65	0.231	24.0	6.44	19.73	4.7		
1204	17.07	7.60	0.231	22-1	6.28	19.76	8.7		
			*	*					
Criteria Met? (yes/no)*						NA			
Field Tests:	CO ₂ =		Sulfide =		Fe+2 =	/	NO3 =]
Comments :	Santo	ded @	1207						
			1	500					
Purge Water Handlin	g, Circle One:	Container	On-site WWTP	Dispose on Ground	Oil/Water Seperator	Other Describe			
Signature:			Leven !	Kelt			- -		
Note:									
Acceptance criteria is based	l on Region 4 grour	ndwater sampling	operating procedure	s dated October 2	8, 2011. 1 gallo	on = 3785.41178 N	Milliliters		

DUN	CKLEE &	DUNHAN	RS	roundwater S	ample Collection	on Record	Well/San	nple ID:	MW-2
Client:		taire			- F Same		Date:	5/17/	116
Project No:		59 A						1101	
Site Location:	Sil	er city	, NC				Collector(s):	KPK	
Weather Conds: _	Rainy								
				WATI	ER LEVEL DATA			de la	
a. Well Depth:	20.5	c. (asing Diameter	2"		e. Calc	ulated Well Vol.		(if needed)
a. Wen bepin.			using Dumerer				2"=0.163 gallons/ft	2 (65 NC209)	
b. Depth to Water:	158	d. Lengt	th of Water Col.			f. Depth	to Well Bottom		(if needed)
			KAK	WELL	PURGING DATA				
a. Purge Method /Equipment:	(Circle One)	Bailer	Peristaltic Pump	Submersible Pump	Mid-Screen	Top of Water Column	3 to 5 Volumes		
. Sample Equipment:	(Circle One)	Bailer	Peristaltic Pump	Submersible	Other				
c. Purge Volume:	~ 3		(gallons)	e. Flow Rate:		tom- 1	1sec (Overtuation	goal is less than 475 mL/min.)
	1		Make			Model			(use 40 mL vial and watch) Calibration Method
d. Field Testing Eq		V.	Make 5 / Al	101:0	_	- Model	5	v	-2
	1)	7.	4 1 2 2	ole)	1 11	56 MP	, /	- //	Planual
	2)	Turb	oldity 111	eter (pro)	Call lott.	2020 1	Ne		Nanual
Acceptance Criteria =	+/- 0.01 ft.	0.1 SU	m5 /cm	10 NTUs/ or 10%	0.2 mg/L or 10% (largest value)	NA	10%		ubbles in Tubing/ Back Flow in Tub FID or PID Air Reading
Time	WL	pH	Spec. Cond	Turbidity	DO	T° C	ORP		Notes
(Military)	(ft bmp)	(Standard)	(Write Down)	(NTUs)	(mg/L)	(Celsius)	(mV)	.,,	* /
1542	2.25	7.90	0.453	1553 AU	3.80	19.29	-5.1	H. br	own tint
1546		7.39	0.458		2.30	19.61	-23.4		
1550	2,94	7.29	0.460	1557 AU		19.84	-34.6		
1554		7.10	0.461		1.93	19.69	-32.3		
1228	5.20	7.10	0.458	2229 AU	2.11	19.30	-40.3		
1602		7.04	0.457		1.96	19.69	-35.5		
1606	6.10	6.95	0.460	1433 AU	1.77	19.61	-31.5		
1610		6.94	6.460	4	1.59	19.49	-46.3		
1614	6.44	6.86	0.460	1018 AU	1.51	19.52	-38.9		
1618.		6.76	0.460		1.36	19.63	-33.1		
1622	6.33	6.78	0.462	947	1.27	19.54	-36.4	* Measu	sed from tubing
riteria Met? (yes/no)*	*	*	*	*	*	NA	*		
Field Tests:	CO ₂ =		Sulfide =		Fe+2 =		NO3 =		
Comments :	9.	0.40	162	-			-		_
Comments :	Same	ma Oi	102.	3					
Purge Water Handlin	g, Circle One:	Container	On-site WWTF	Dispose on Ground	Oil/Water Seperator	Other Describe			
ignature:			Kevin	Helt			_		
late.									
ote:									

*

Cheer Mount facile Project No. Mount facile A Use facility No. Collector(s). KPK Water Conde. WATER LEVEL DATA a. Well Drepth. (of faceled) 2 to Calculated Well Val. 3 to Systems 3 to Systems 4 to Calculated Well Val. 4 to Calculated Well Val. 4 to Calculated Well Val. 5 to Column 6 to Calculated Well Val.	DUN	ICKLEE &	DUNHA	ERS	Froundwater S	Sample Collectio	on Record	Well/Sai	mple ID:	mW-3
Size Learline: Weather Conds: Water Conds: Water Lot of Calculated Well Vol. 2"-0 163 gallows if and 4"-0 653 gallows if an	Client:				Tounuwater S	sample Concent	n Record	Date:	5/17	16
WATER LEVEL DATA a. Well Depth: O	Project No:	201	659H	. 1.1					1/0//	
a. Well Depth: 10 - 6 c. Casing Diameter 2 d. Length of Water Col. Depth to Water: 1.07 d. Length of Water Col. WILL FURGING DATA a. Purge Method Requipment: (Circle One) Buller Squatable Dump Submersible Mark Column Sample Equipment Useft 1. Circle One) Sample Equipment Useft 1. Circle One) Sample Equipment Useft 1. ST (Che ice) VST (Che ice) SST	Site Location:	SIRA	City,	NC				Collector(s):	Kric	
a. Well Depths Water: 1.01 b. Depth to Water: 1.01 d. Length of Water Col. WELL PURGING DATA a. Purge Method Requipment (Circle One) Bailer Pintalia Duby Submersible Pump C. Purge Volume: C. Continger: C. Contin	Weather Conds:	Kairv	4							· 10
b. Depth to Water: 1-07 d. Length of Water Col. WELL PURGING DATA a. Purge Method Greedon Bailer Greedon Submernable Purge Volume: Column Gallono) C. Purge Volume: Make Model C. Solo MPS Williams Manual Volumes Submernable Purge C. Purge Volume: C. Calibration Method C. Solo MPS Williams Will Water C. Calibration Method C. Solo MPS Williams Will Water C. Calibration Method C. Calibration Method C. Calibration Method Williams Model C. Calibration Method C.					WAT	ER LEVEL DATA				Option Parket
b. Depth to Water: 1.01 d. Length of Water Col. WELL PERGING DATA a. Purge Method Requipment: (Circle One) Bailer restatis Purp Submersible Purp Subm	a. Well Depth:	10.6	c.	Casing Diameter	2"	2	e. Cale	culated Well Vol.		(if needed)
**************************************								2"=0.163 gallons/f	t and 4"=0.653 gal	lons/ft
2. Purge Method Equipment: (Circle One) Bailer Sample Equipment: (Circle One) Bailer Gristallic Pumb Subservable Pump Other Pump Other Pump Other Ot	b. Depth to Water:	1.07	d. Leng	gth of Water Col.		=	f. Dept	h to Well Bottom		(if needed)
Requipment: (Circle One) Baller Party Baller Party Baller Party MaleScreen Column 3 to 5 Volumes Submership Other Party And Submership Other Other Party And Submership Other Other Describe: Sample Equipment Used: Make Model Calibration Method NSI (Che ice) SSG MPS Manual Color/Ode/Fabbles in Tabley/Back Flow in Tule Flow FID or FID Air Reading Flow FID or FID Air Reading FID or FID Air Reading Notes (NTUs) Other Party Other Fide Tests: Other Other Describe: Submership Other Describe: Submer		Las VIII			WELL	PURGING DATA				
C. Purge Volume: (Litere One) C. Purge Volume: (goal is less than 475 mL/min) C. Plury Replace Criteria (use 40 mL vial and watch) d. Field Testing Equipment Used: Make Make Nodel Calibration Method VST (Choice) SS MPS Manual Notes Noder Calibration Method Notes Noder Calibration Method Notes Noder Calibration Method Notes No		(Circle One)	Bailer	Peristaltic Pump		Mid-Screen		3 to 5 Volumes		
c. Purge Volume: d. Field Testing Equipment Used: Make Model Calibration Method ST. (Choice) Sto MPS Manguel Tochicly Metal (Dt) La Mole 2020 We Monual Neceptance Criteria = 4-0.01 ft. 10 NI Use	. Sample Equipment:	(Circle One)	Bailer	Peristaltic Pump		Other			1	
Make Model Calibration Method	. D	~		(malls = 3)	-118	L	to all	2.500		(and is loss than 475 This
A. Field Testing Equipment Used: Nake Node Calibration Method	c. Purge Volume:			(gailons)	e. Flow Rate:		ONLY	36~		
1	d Field Testine F			Make			Model			
2) Turbidity Meter (0+0) La Molte 2020 We Monual Acceptance Criteria - +1-0.01 ft. 0.1 Stu	d. Fleid Testing Ed		,	VST /Ch	ise	5	56 MPS		Ma	ninl
Time WL pH Spec Cond Turbidity DO T°C ORP Notes		2)	Turbid	0 1	/					
Time WL pH Spec Cond Turbidity DO TeC ORP Notes	Acceptance Criteria =	+/- 0.01 ft.	0.1 SU	m5 15%			NA	10%		
(Military) (themp) (Standard) (Write Down) (NTUs) (mgL) (Celsius) (mV) [1644	Time	WL	pН		Turbidity	DO	T°C	ORP		N-4
1648	(Military)	(ft bmp)	(Standard)	(Write Down)	(NTUs)	(mg/L)	(Celsius)	(mV)		Notes
1648 10.10 1.270 10.01 10.270 10.33 18.63 190.00 Well Ran Dry While Collecting Parameters Will allow to Recharge before Sampling. Criteria Met? (yeu/no)* NA Field Tests: CO,= Sulfide = Fe+2 = NO3 = Comments: Impolab @ 1920 Purge Water Handling, Circle One: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe: Figure Water Handling, Circle One: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe: While Collecting Parameters NA Other Describe: Seperator Other Describe:	4 1644	8.41	10.54	0.271	648 ATU	5.07	18.31	-157.2	H white	e murky
Well Ran Dry While Collecting Parameters Well Ran Dry While Collecting Parameters Will allow to Recharge before Sampling. Criteria Met? (yes/no)* NA Field Tests: CO ₂ = Sulfide = Fe+2 = NO3 =	-	0.1	10.10	3.270		4.86	18.49			, ,
Criteria Met? (yes/no)* Field Tests: CO ₂ = Sulfide = Fe+2 = NO3 = Comments: 1920 Purge Water Handling, Circle One: Container On-site WWTP Dispose on Seperator Other Describe: Seperator Other Describe:				0.269			18.63	-190-0		
Purge Water Handling, Circle One: Container On-site WWTP Dispose on Seperator Other Describe: Signature: Other Describe:	,	Woll	Ran	Dry W	hile Call	beting 1	aramat	210		
Criteria Met? (yes/no)* Field Tests: CO ₂ = Sulfide = Fe+2 = NO3 = Comments: 1920 Purge Water Handling, Circle One: Container On-site WWTP Dispose on Seperator Other Describe: Seperator Other Desc		-0011	1 2001	219 00	THE COL	wing .	Marie	C13		
Field Tests: CO ₂ = Sulfide = Fe+2 = NO3 = Comments: 1920 Purge Water Handling, Circle One: Container On-site WWTP Dispose on Fround Seperator Other Describe: Supplied Tests: CO ₂ = Sulfide = Fe+2 = NO3 = Other Describe: Purge Water Handling, Circle One: Container On-site WWTP Dispose on Seperator Other Describe: Supplied Tests: CO ₂ = Sulfide = Fe+2 = NO3 = Other Describe: Purge Water Handling, Circle One: Container On-site WWTP Dispose on Seperator Other Describe:		W	ill all	on to	Recharg	e before	Samo	ling.		
Field Tests: CO ₂ = Sulfide = Fe+2 = NO3 = Comments: Purge Water Handling, Circle One: gnature: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe:					J	00,11	7			
Field Tests: CO ₂ = Sulfide = Fe+2 = NO3 = Comments: Purge Water Handling, Circle One: gnature: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe:										
Field Tests: CO ₂ = Sulfide = Fe+2 = NO3 = Comments: Purge Water Handling, Circle One: gnature: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe:							, e			
Purge Water Handling, Circle One: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe: When Well and Dispose on Oil/Water Seperator Other Describe:	Criteria Met? (yes/no)*	*	*	*	*	*	NA	*		
Purge Water Handling, Circle One: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe: When Well Separator Other Describe:	Field Tests:	CO, =		Sulfide =		Fe+2 =		NO3 =		7
Purge Water Handling, Circle One: Container On-site WWTP Dispose on Fround Seperator Other Describe:		0	110							_
Purge Water Handling, Circle One: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe: Granture: On-site WWTP Dispose on Oil/Water Seperator Other Describe:	Comments :	Lamp	Red a	1420						
Purge Water Handling, Circle One: Container On-site WWTP Dispose on Oil/Water Seperator Other Describe: Ground Seperator Other Describe:										
Ignature: Kewn Kelt	Purge Water Handlin	g, Circle One:	Container	On-site WWTP	Dispose on	Oil/Water	Other Describe			
- Juni - eu	v	P		Varia 1	ATT TOURS	Seperator				
nte:				AUG /				-		
	ote:									
occeptance criteria is based on Region 4 groundwater sampling operating procedures dated October 28, 2011. 1 gallon = 3785.41178 Milliliters occludate % difference for a parameter: ((Last Reading - Previous Reading) / (Last Reading)) * 100 = Percent difference						111.0 (200 a) (9. 30 00.0-0		Milliliters		

DUN	ICKLEE &	DUNHA		Well/Sa	mple ID:	mw-4						
18)	Marin	taile	(Groundwater S	Sample Collection	on Record		-11-	111			
Client:	7/1001	31659 1	4				Date:	5/11	/16			
Project No: Site Location:	Sile	01659 1	jc				Collector(s):	KPK				
Weather Conds:	Palar	0171					Conector(s):	1011				
weather Conds.	Kainy											
Til Long	WATER LEVEL DATA											
a. Well Depth:	15.7	с. (Casing Diameter	2.	ž.	e. Calc	ulated Well Vol.		(if needed)			
	4.78						2"=0.163 gallons/i	ft and 4"=0.653 gall	ions/ft			
b. Depth to Water:	4.10	d. Leng	th of Water Col.		1	f. Depti	to Well Bottom		(if needed)			
WELL PURGING DATA												
a. Purge Method /Equipment:	(Circle One)	Bailer	Reristaltic Pump	Submersible Pump	Mid-Screen	Top of Water Column	3 to 5 Volumes					
b. Sample Equipment:	(Circle One)	Bailer	Peristaltic Pump	Submersible Pump	Other		1					
c. Purge Volume:	~0-	5	(gallons)	e. Flow Rate:	7	10 mL/	12 sec		(goal is less than 475 mL/min.)			
ange volume.			_ (64110110)	e rion Raie.					(use 40 mL vial and watch)			
d. Field Testing E	quipment Used:		Make			Model			Calibration Method			
	1)	Y5:	I (Choice	e)	53	56 mp	5	p,	knul			
	2)	Turbio	lity Me	ter (0+0)	Lamot	e 2620	We		Manual			
Acceptance Criteria =	+/- 0.01 ft.	0.1 SU	m5/cm	10 NTUs/ or 10%	0.2 mg/L or 10% (largest value)	NA	10%		obles in Tubing/ Back Flow in Tubing/ ID or PID Air Reading			
Time	WL	рН	Spec. Cond	Turbidity	DO	T°C	ORP		Notes			
(Military)	(ft bmp)	(Standard)	(Write Down)	(NTUs)	(mg/L)	(Celsius)	(mV)		Titles			
1715	9.20	8.57	0.366	Over Range	496	19.80	-57.9	Muddy.	brown tint			
1719		7.93	0.365		4.80	19.88	-55.9	,				
1723	10.76	7.87	0.366	1533 AU	5.18	19.82	-58,9	4 .				
1727	11.63	7.79	0.367	22.3NI	5.45	19.84	-56.2	Measure	d from tubing			
,												
	*	*	*	*	*	The Control of	*					
Criteria Met? (yes/no)*						NA						
Field Tests:	CO ₂ =		Sulfide =		Fe+2 =		NO3 =		1			
rem resis.	0	///			10.2		1103 -		J			
Comments :	Sam	pled (U 1730)								
			`	Diamana	Oil/Water							
Purge Water Handlin	ng, Circle One:	Container	On-site WWTP	Dispose on Ground	Oil/Water Seperator	Other Describe:						
Signature:	,		Kun	Kelt								
			o www.				-					
Note:	d on Region 4 grow	dwater campline	operating procedure	ne dated Ostobor 20	2011 1 2211-	n = 3785 41170 h	fillilitars					
Acceptance criteria is based			operating procedure		, 2011. 1 gallo	n = 3785.41178 N	militers					

Divider Page

Table 2 Summary of Laboratory Test Results, Soil Samples Former Townsend Plant Siler City, North Carolina

	Soil-to-Groundwater	Sample Identification				
Analyte	MSCC	S-9A (Fuel line)	S-13A (Dispensers)			
1	Volatile Organic Compounds - I	EPA 8260B				
n-Butylbenzene	4.3	1.05	0.161			
sec-Butylbenzene	3.3	1.67	0.281			
tert-Butylbenzene	3.4	0.0338	0.00776 J			
Ethylbenzene	4.9	0.0702	< 0.0101			
Isopropylbenzene	1.7	0.266	0.0307 J			
p-Isopropyltoluene	0.12	0.497	0.0714			
Methyl tert-butyl ether	0.091	0.0137 J	0.0279 J			
Napthalene	0.16	0.604	< 0.0339			
n-Propylbenzene	1.7	0.294	0.0294 J			
1,2,4-Trimethylbenzene	8.5	0.996	0.117			
1,2,3-Trimethylbenzene	NE	0.649	0.351			
1,3,5-Trimethylbenzene	8.3	0.0612	0.0462			
Xylenes, Total	4.6	0.423	0.0280 J			
Sei	nivolatile Organic Compounds	- EPA 8270D				
Acenaphthene	8.2	2.67	0.700			
Anthracene	940	0.623 J	< 0.00923			
Fluorene	47	2.72	0.627			
Phenanthrene	56	5.83	1.78			
Bis(2-ethylhexyl)phthalate	6.6	< 0.735	0.173 J			
Pyrene	270	0.951 J	0.416			
Volatile and E	xtractable Petroleum Hydrocar	rbons - MADEP Metho	ods			
C5-C8 Aliphatics	68	15.8	8.14			
C9-C18 Aliphatics	540	2,149	1,261			
C19-C36 Aliphatics	Considered Immobile	561	376			
C9-C22 Aromatics	31	1,670.8	800.7			

Notes:

All results in mg/kg

MSCC - Maximum Soil Contaminant Concentration

Bold font - result exceeds method detection limit

Bold font and shaded cell - concentration exceeds the soil-to-groundwater MSCC

NE - not established

J - the identification of the analyte is acceptable; the reported value is an estimate

<# - analyte not detected at a concentration that exceeds the method detection limit shown</p>

Divider Page



ANALYTICAL REPORT



Duncklee and Dunham

Sample Delivery Group: L837090

Samples Received: 05/21/2016

Project Number: 201659C

Description: Former Townsend Plant

Report To: Rick Kolb

PO Box 639

Cary, NC 27512

Entire Report Reviewed By:

Jimmy Hunt

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the historitopy. Where applicable, simpling conducted by ISC is performed per guidance provided in laboratory standard operating procedures; 663902, 060033, and 060004.



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			Collected by	Collected date/time	Received date/tim
S-9A L837090-01 Solid			Kevin Kelt	05/20/16 12:15	05/21/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG874384	50	05/22/16 11:05	05/23/16 12:48	SNR
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG874880	10	05/24/16 07:50	05/24/16 14:38	KLM
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG874880	5	05/24/16 07:50	05/24/16 19:10	KLM
Total Solids by Method 2540 G-2011	WG874636	1	05/23/16 11:05	05/23/16 11:12	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG873513	20.25	05/23/16 15:16	05/24/16 09:48	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG874400	20.25	05/22/16 00:49	05/22/16 14:48	JHH
Volatile Petroleum Hydrocarbons by Method MADEPV	WG874246	40.5	05/21/16 21:26	05/21/16 21:26	BMB
			Collected by	Collected date/time	Received date/tim
C 42 A 1 027000 02 C-1:-l			Kevin Kelt	05/20/16 11:30	05/21/16 09:00
S-13A L837090-02 Solid					
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG874384	1	05/22/16 11:05	05/23/16 12:02	CLG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG874384	2	05/22/16 11:05	05/23/16 13:12	CLG
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG874880	1	05/24/16 07:50	05/24/16 15:20	KLM
Semi-Volatile Organic Compounds (GC) by Method MADEPE	WG874880	5	05/24/16 07:50	05/24/16 14:59	KLM
Total Solids by Method 2540 G-2011	WG874636	1	05/23/16 11:05	05/23/16 11:12	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG873513	23.5	05/23/16 15:16	05/24/16 10:11	BMB
Volatile Organic Compounds (GC/MS) by Method 8260B	WG874400	23.25	05/22/16 00:49	05/22/16 15:07	JHH

WG874246

SAMPLE SUMMARY





















BMB

Volatile Petroleum Hydrocarbons by Method MADEPV

05/21/16 21:59

05/21/16 21:59

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the

Ср

















data.

Technical Service Representative

Analyte

C5-C8 Aliphatics

Sample Narrative:

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 05/20/16 12:15

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	81.6		1	05/23/2016 11:12	WG874636

RDL (dry)

mg/kg

4.96

4.96

4.96

4.96

70.0-130

70.0-130

Dilution

40.5

40.5

40.5

40.5

Analysis

date / time

05/21/2016 21:26

05/21/2016 21:26

05/21/2016 21:26

05/21/2016 21:26

05/21/2016 21:26

05/21/2016 21:26

Batch

WG874246

WG874246

WG874246

WG874246

WG874246

WG874246

MDL (dry)

mg/kg

0.660

0.660

0.357

0.359

Ss









Gl





C9-C12 Aliphatics 169 C9-C10 Aromatics 70.8

Volatile Petroleum Hydrocarbons

(S) 2,5-Dibromotoluene(FID)

(S) 2,5-Dibromotoluene(PID)

MADEPV L837090-01 WG874246: Surrogate failure due to matrix interference.

Volatile Petroleum Hydrocarbons by Method MADEPV

mg/kg

114

15.8

45.2

57.9

Result (dry)

Qualifier

<u>J2</u> <u>J2</u>

Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.247	1.24	20.25	05/22/2016 14:48	WG874400
Acrylonitrile	U		0.0444	0.248	20.25	05/22/2016 14:48	WG874400
Benzene	U		0.00670	0.0248	20.25	05/22/2016 14:48	WG874400
Bromobenzene	U		0.00704	0.0248	20.25	05/22/2016 14:48	WG874400
Bromodichloromethane	U		0.00630	0.0248	20.25	05/22/2016 14:48	WG874400
Bromoform	U		0.0105	0.0248	20.25	05/22/2016 14:48	WG874400
Bromomethane	U		0.0332	0.124	20.25	05/22/2016 14:48	WG874400
n-Butylbenzene	1.05		0.00640	0.0248	20.25	05/22/2016 14:48	WG874400
sec-Butylbenzene	1.67		0.00499	0.0248	20.25	05/22/2016 14:48	WG874400
tert-Butylbenzene	0.0338		0.00511	0.0248	20.25	05/22/2016 14:48	WG874400
Carbon tetrachloride	U		0.00814	0.0248	20.25	05/22/2016 14:48	WG874400
Chlorobenzene	U		0.00526	0.0248	20.25	05/22/2016 14:48	WG874400
Chlorodibromomethane	U		0.00925	0.0248	20.25	05/22/2016 14:48	WG874400
Chloroethane	U		0.0235	0.124	20.25	05/22/2016 14:48	WG874400
2-Chloroethyl vinyl ether	U		0.0581	1.24	20.25	05/24/2016 09:48	WG873513
Chloroform	U		0.00568	0.124	20.25	05/22/2016 14:48	WG874400
Chloromethane	U		0.00930	0.0620	20.25	05/22/2016 14:48	WG874400
2-Chlorotoluene	U		0.00747	0.0248	20.25	05/22/2016 14:48	WG874400
4-Chlorotoluene	U		0.00595	0.0248	20.25	05/22/2016 14:48	WG874400
1,2-Dibromo-3-Chloropropane	U		0.0261	0.124	20.25	05/22/2016 14:48	WG874400
1,2-Dibromoethane	U		0.00850	0.0248	20.25	05/22/2016 14:48	WG874400
Dibromomethane	U		0.00948	0.0248	20.25	05/22/2016 14:48	WG874400
1,2-Dichlorobenzene	U		0.00757	0.0248	20.25	05/22/2016 14:48	WG874400
1,3-Dichlorobenzene	U		0.00593	0.0248	20.25	05/22/2016 14:48	WG874400
1,4-Dichlorobenzene	U		0.00561	0.0248	20.25	05/22/2016 14:48	WG874400
Dichlorodifluoromethane	U		0.0176	0.124	20.25	05/22/2016 14:48	WG874400
1,1-Dichloroethane	U		0.00494	0.0248	20.25	05/22/2016 14:48	WG874400
1,2-Dichloroethane	U		0.00658	0.0248	20.25	05/22/2016 14:48	WG874400
1,1-Dichloroethene	U		0.00752	0.0248	20.25	05/22/2016 14:48	WG874400
cis-1,2-Dichloroethene	U		0.00583	0.0248	20.25	05/22/2016 14:48	WG874400
trans-1,2-Dichloroethene	U		0.00655	0.0248	20.25	05/22/2016 14:48	WG874400
1,2-Dichloropropane	U		0.00888	0.0248	20.25	05/22/2016 14:48	WG874400
I,1-Dichloropropene	U		0.00787	0.0248	20.25	05/22/2016 14:48	WG874400
1,3-Dichloropropane	U		0.00513	0.0248	20.25	05/22/2016 14:48	WG874400
cis-1,3-Dichloropropene	U		0.00649	0.0248	20.25	05/22/2016 14:48	WG874400
trans-1,3-Dichloropropene	U		0.00663	0.0248	20.25	05/22/2016 14:48	WG874400
2,2-Dichloropropane	U		0.00692	0.0248	20.25	05/22/2016 14:48	WG874400

ONE LAB. NATIONWIDE.

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Collected date/time: 05/20/16 12:15

837090

Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Di-isopropyl ether	U		0.00615	0.0248	20.25	05/22/2016 14:48	WG874400
Ethylbenzene	0.0702		0.00736	0.0248	20.25	05/22/2016 14:48	WG874400
Hexachloro-1,3-butadiene	U		0.00848	0.0248	20.25	05/22/2016 14:48	WG874400
Isopropylbenzene	0.266		0.00603	0.0248	20.25	05/22/2016 14:48	WG874400
p-Isopropyltoluene	0.497		0.00506	0.0248	20.25	05/22/2016 14:48	WG874400
2-Butanone (MEK)	U		0.116	0.248	20.25	05/22/2016 14:48	WG874400
Methylene Chloride	U		0.0247	0.124	20.25	05/22/2016 14:48	WG874400
4-Methyl-2-pentanone (MIBK)	U		0.0467	0.248	20.25	05/22/2016 14:48	WG874400
Methyl tert-butyl ether	0.0137	<u>J</u>	0.00526	0.0248	20.25	05/22/2016 14:48	WG874400
Naphthalene	0.604		0.0247	0.124	20.25	05/22/2016 14:48	WG874400
n-Propylbenzene	0.294		0.00511	0.0248	20.25	05/22/2016 14:48	WG874400
Styrene	U		0.00581	0.0248	20.25	05/22/2016 14:48	WG874400
1,1,1,2-Tetrachloroethane	U		0.00655	0.0248	20.25	05/22/2016 14:48	WG874400
1,1,2,2-Tetrachloroethane	U		0.00905	0.0248	20.25	05/22/2016 14:48	WG874400
1,1,2-Trichlorotrifluoroethane	U		0.00905	0.0248	20.25	05/22/2016 14:48	WG874400
Tetrachloroethene	U		0.00685	0.0248	20.25	05/22/2016 14:48	WG874400
Toluene	U		0.0108	0.124	20.25	05/22/2016 14:48	WG874400
1,2,3-Trichlorobenzene	U		0.00760	0.0248	20.25	05/22/2016 14:48	WG874400
1,2,4-Trichlorobenzene	U		0.00963	0.0248	20.25	05/22/2016 14:48	WG874400
1,1,1-Trichloroethane	U		0.00709	0.0248	20.25	05/22/2016 14:48	WG874400
1,1,2-Trichloroethane	U		0.00687	0.0248	20.25	05/22/2016 14:48	WG874400
Trichloroethene	U		0.00692	0.0248	20.25	05/22/2016 14:48	WG874400
Trichlorofluoromethane	U		0.00948	0.124	20.25	05/22/2016 14:48	WG874400
1,2,3-Trichloropropane	U		0.0184	0.0620	20.25	05/22/2016 14:48	WG874400
1,2,4-Trimethylbenzene	0.996		0.00523	0.0248	20.25	05/22/2016 14:48	WG874400
1,2,3-Trimethylbenzene	0.649		0.00712	0.0248	20.25	05/22/2016 14:48	WG874400
1,3,5-Trimethylbenzene	0.0612		0.00660	0.0248	20.25	05/22/2016 14:48	WG874400
Vinyl chloride	U		0.00722	0.0248	20.25	05/22/2016 14:48	WG874400
Xylenes, Total	0.423		0.0173	0.0744	20.25	05/22/2016 14:48	WG874400
(S) Toluene-d8	107			88.7-115		05/22/2016 14:48	WG874400
(S) Toluene-d8	103			88.7-115		05/24/2016 09:48	WG873513
(S) Dibromofluoromethane	107			76.3-123		05/24/2016 09:48	WG873513
(S) Dibromofluoromethane	97.1			76.3-123		05/22/2016 14:48	WG874400
(S) 4-Bromofluorobenzene	123			69.7-129		05/22/2016 14:48	WG874400

Sample Narrative:

(S) 4-Bromofluorobenzene

8260B L837090-01 WG874400: Non-target compounds too high to run at a lower dilution.

120

Semi-Volatile Organic Compounds (GC) by Method MADEPE

Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
mg/kg		mg/kg	mg/kg		date / time	
4140		13.1	39.8	5	05/24/2016 19:10	WG874880
1980		14.3	79.6	10	05/24/2016 14:38	WG874880
561		4.30	79.6	10	05/24/2016 14:38	WG874880
1600		3.26	39.8	5	05/24/2016 19:10	WG874880
37.0	<u>J2</u>		40.0-140		05/24/2016 19:10	WG874880
65.2			40.0-140		05/24/2016 14:38	WG874880
116			40.0-140		05/24/2016 19:10	WG874880
68.2			40.0-140		05/24/2016 19:10	WG874880
	mg/kg 4140 1980 561 1600 37.0 65.2 116	mg/kg 4140 1980 561 1600 37.0 J2 65.2 116	mg/kg mg/kg 4140 13.1 1980 14.3 561 4.30 1600 3.26 37.0 J2 65.2 116	mg/kg mg/kg mg/kg 4140 13.1 39.8 1980 14.3 79.6 561 4.30 79.6 1600 3.26 39.8 37.0 J2 40.0-140 65.2 40.0-140 116 40.0-140	mg/kg mg/kg mg/kg 4140 13.1 39.8 5 1980 14.3 79.6 10 561 4.30 79.6 10 1600 3.26 39.8 5 37.0 J2 40.0-140 65.2 40.0-140 40.0-140 116 40.0-140 40.0-140	mg/kg mg/kg mg/kg date / time 4140 13.1 39.8 5 05/24/2016 19:10 1980 14.3 79.6 10 05/24/2016 14:38 561 4.30 79.6 10 05/24/2016 14:38 1600 3.26 39.8 5 05/24/2016 19:10 37.0 J2 40.0-140 05/24/2016 19:10 65.2 40.0-140 05/24/2016 14:38 116 40.0-140 05/24/2016 19:10

69.7-129

WG873513

05/24/2016 09:48

ONE LAB. NATIONWIDE.

Ss

Cn

Gl

Sc

Collected date/time: 05/20/16 12:15

L837090

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	2.67		0.393	2.02	50	05/23/2016 12:48	WG874384
Acenaphthylene	U		0.412	2.02	50	05/23/2016 12:48	WG874384
Anthracene	0.623	<u>J</u>	0.387	2.02	50	05/23/2016 12:48	WG874384
Benzidine	U		3.90	20.4	50	05/23/2016 12:48	WG874384
Benzo(a)anthracene	U		0.262	2.02	50	05/23/2016 12:48	WG874384
Benzo(b)fluoranthene	U		0.426	2.02	50	05/23/2016 12:48	WG874384
Benzo(k)fluoranthene	U		0.357	2.02	50	05/23/2016 12:48	WG874384
Benzo(g,h,i)perylene	U		0.441	2.02	50	05/23/2016 12:48	WG874384
Benzo(a)pyrene	U		0.336	2.02	50	05/23/2016 12:48	WG874384
Bis(2-chlorethoxy)methane	U		0.472	20.4	50	05/23/2016 12:48	WG874384
Bis(2-chloroethyl)ether	U		0.549	20.4	50	05/23/2016 12:48	WG874384
Bis(2-chloroisopropyl)ether	U		0.466	20.4	50	05/23/2016 12:48	WG874384
4-Bromophenyl-phenylether	U		0.698	20.4	50	05/23/2016 12:48	WG874384
2-Chloronaphthalene	U		0.392	2.02	50	05/23/2016 12:48	WG874384
4-Chlorophenyl-phenylether	U		0.385	20.4	50	05/23/2016 12:48	WG874384
Chrysene	U		0.341	2.02	50	05/23/2016 12:48	WG874384
Dibenz(a,h)anthracene	U		0.502	2.02	50	05/23/2016 12:48	WG874384
1,2-Dichlorobenzene	U		0.564	20.4	50	05/23/2016 12:48	WG874384
1,3-Dichlorobenzene	U		0.625	20.4	50	05/23/2016 12:48	WG874384
1,4-Dichlorobenzene	U		0.668	20.4	50	05/23/2016 12:48	WG874384
3,3-Dichlorobenzidine	U		4.86	20.4	50	05/23/2016 12:48	WG874384
2,4-Dinitrotoluene	U		0.372	20.4	50	05/23/2016 12:48	WG874384
2,6-Dinitrotoluene	U		0.451	20.4	50	05/23/2016 12:48	WG874384
Fluoranthene	U		0.304	2.02	50	05/23/2016 12:48	WG874384
Fluorene	2.72		0.418	2.02	50	05/23/2016 12:48	WG874384
Hexachlorobenzene	U		0.524	20.4	50	05/23/2016 12:48	WG874384
Hexachloro-1,3-butadiene	U		0.613	20.4	50	05/23/2016 12:48	WG874384
Hexachlorocyclopentadiene	U	<u>J0</u>	3.60	20.4	50	05/23/2016 12:48	WG874384
Hexachloroethane	U		0.821	20.4	50	05/23/2016 12:48	WG874384
Indeno(1,2,3-cd)pyrene	U		0.473	2.02	50	05/23/2016 12:48	WG874384
Isophorone	U		0.320	20.4	50	05/23/2016 12:48	WG874384
Naphthalene	U		0.544	2.02	50	05/23/2016 12:48	WG874384
Nitrobenzene	U		0.426	20.4	50	05/23/2016 12:48	WG874384
n-Nitrosodimethylamine	U		3.97	20.4	50	05/23/2016 12:48	WG874384
n-Nitrosodiphenylamine	U		0.364	20.4	50	05/23/2016 12:48	WG874384
n-Nitrosodi-n-propylamine	U		0.555	20.4	50	05/23/2016 12:48	WG874384
Phenanthrene	5.83		0.323	2.02	50	05/23/2016 12:48	WG874384
Benzylbutyl phthalate	U		0.631	20.4	50	05/23/2016 12:48	WG874384
Bis(2-ethylhexyl)phthalate	U		0.735	20.4	50	05/23/2016 12:48	WG874384
Di-n-butyl phthalate	U		0.668	20.4	50	05/23/2016 12:48	WG874384
Diethyl phthalate	U		0.424	20.4	50	05/23/2016 12:48	WG874384
Dimethyl phthalate	U		0.331	20.4	50	05/23/2016 12:48	WG874384
Di-n-octyl phthalate	U		0.556	20.4	50	05/23/2016 12:48	WG874384
Pyrene	0.951	<u>J</u>	0.753	2.02	50	05/23/2016 12:48	WG874384
1,2,4-Trichlorobenzene	U	_	0.537	20.4	50	05/23/2016 12:48	WG874384
(S) Nitrobenzene-d5	316	<u>J7</u>		21.9-129		05/23/2016 12:48	WG874384
(S) 2-Fluorobiphenyl	65.8	<u>J7</u>		34.9-129		05/23/2016 12:48	WG874384
(S) p-Terphenyl-d14	60.8	<u>J7</u>		21.5-128		05/23/2016 12:48	WG874384
		_					

Sample Narrative:

8270D L837090-01 WG874384: Dilution due to matrix

ONE LAB. NATIONWIDE.

Collected date/time: 05/20/16 11:30

RDL (dry)

mg/kg

6.87

6.87

6.87

6.87

70.0-130

70.0-130

Dilution

47

47

47

47

Analysis

date / time

05/21/2016 21:59

05/21/2016 21:59

05/21/2016 21:59

05/21/2016 21:59

05/21/2016 21:59

05/21/2016 21:59

Batch

WG874246

WG874246

WG874246

WG874246

WG874246

WG874246

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	68.4		1	05/23/2016 11:12	WG874636

MDL (dry)

mg/kg

0.913

0.913

0.494

0.497

Ss

Cn









Gl







C9-C10 Aromatics (S) 2,5-Dibromotoluene(FID) (S) 2,5-Dibromotoluene(PID)

Sample Narrative:

C5-C8 Aliphatics

C9-C12 Aliphatics

Volatile Petroleum Hydrocarbons

Analyte

MADEPV L837090-02 WG874246: Surrogate failure due to matrix interference.

Volatile Petroleum Hydrocarbons by Method MADEPV

mg/kg

65.8

8.14

101

43.7

60.3

66.9

Result (dry)

Qualifier

<u>J2</u> <u>J2</u>

Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acetone	U		0.339	1.70	23.25	05/22/2016 15:07	WG874400
Acrylonitrile	U		0.0608	0.340	23.25	05/22/2016 15:07	WG874400
Benzene	U		0.00917	0.0340	23.25	05/22/2016 15:07	WG874400
Bromobenzene	U		0.00964	0.0340	23.25	05/22/2016 15:07	WG874400
Bromodichloromethane	U		0.00862	0.0340	23.25	05/22/2016 15:07	WG874400
Bromoform	U		0.0144	0.0340	23.25	05/22/2016 15:07	WG874400
Bromomethane	U		0.0456	0.170	23.25	05/22/2016 15:07	WG874400
n-Butylbenzene	0.161		0.00877	0.0340	23.25	05/22/2016 15:07	WG874400
sec-Butylbenzene	0.281		0.00682	0.0340	23.25	05/22/2016 15:07	WG874400
tert-Butylbenzene	0.00776	<u>J</u>	0.00700	0.0340	23.25	05/22/2016 15:07	WG874400
Carbon tetrachloride	U	_	0.0111	0.0340	23.25	05/22/2016 15:07	WG874400
Chlorobenzene	U		0.00720	0.0340	23.25	05/22/2016 15:07	WG874400
Chlorodibromomethane	U		0.0127	0.0340	23.25	05/22/2016 15:07	WG874400
Chloroethane	U		0.0321	0.170	23.25	05/22/2016 15:07	WG874400
2-Chloroethyl vinyl ether	U		0.0804	1.72	23.5	05/24/2016 10:11	WG873513
Chloroform	U		0.00777	0.170	23.25	05/22/2016 15:07	WG874400
Chloromethane	U		0.0127	0.0849	23.25	05/22/2016 15:07	WG874400
2-Chlorotoluene	U		0.0102	0.0340	23.25	05/22/2016 15:07	WG874400
4-Chlorotoluene	U		0.00815	0.0340	23.25	05/22/2016 15:07	WG874400
1,2-Dibromo-3-Chloropropane	U		0.0356	0.170	23.25	05/22/2016 15:07	WG874400
1,2-Dibromoethane	U		0.0116	0.0340	23.25	05/22/2016 15:07	WG874400
Dibromomethane	U		0.0130	0.0340	23.25	05/22/2016 15:07	WG874400
1,2-Dichlorobenzene	U		0.0104	0.0340	23.25	05/22/2016 15:07	WG874400
1,3-Dichlorobenzene	U		0.00812	0.0340	23.25	05/22/2016 15:07	WG874400
1,4-Dichlorobenzene	U		0.00767	0.0340	23.25	05/22/2016 15:07	WG874400
Dichlorodifluoromethane	U		0.0243	0.170	23.25	05/22/2016 15:07	WG874400
1,1-Dichloroethane	U		0.00676	0.0340	23.25	05/22/2016 15:07	WG874400
1,2-Dichloroethane	U		0.00900	0.0340	23.25	05/22/2016 15:07	WG874400
1,1-Dichloroethene	U		0.0103	0.0340	23.25	05/22/2016 15:07	WG874400
cis-1,2-Dichloroethene	U		0.00798	0.0340	23.25	05/22/2016 15:07	WG874400
trans-1,2-Dichloroethene	U		0.00897	0.0340	23.25	05/22/2016 15:07	WG874400
1,2-Dichloropropane	U		0.0122	0.0340	23.25	05/22/2016 15:07	WG874400
1,1-Dichloropropene	U		0.0108	0.0340	23.25	05/22/2016 15:07	WG874400
1,3-Dichloropropane	U		0.00703	0.0340	23.25	05/22/2016 15:07	WG874400
cis-1,3-Dichloropropene	U		0.00890	0.0340	23.25	05/22/2016 15:07	WG874400
trans-1,3-Dichloropropene	U		0.00907	0.0340	23.25	05/22/2016 15:07	WG874400
2,2-Dichloropropane	U		0.00948	0.0340	23.25	05/22/2016 15:07	WG874400

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Collected date/time: 05/20/16 11:30

L837090

Volatile Organic Compounds (GC/MS) by Method 8260B

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Di-isopropyl ether	U		0.00843	0.0340	23.25	05/22/2016 15:07	WG874400
Ethylbenzene	U		0.0101	0.0340	23.25	05/22/2016 15:07	WG874400
Hexachloro-1,3-butadiene	U		0.0116	0.0340	23.25	05/22/2016 15:07	WG874400
Isopropylbenzene	0.0307	<u>J</u>	0.00825	0.0340	23.25	05/22/2016 15:07	WG874400
p-Isopropyltoluene	0.0714		0.00692	0.0340	23.25	05/22/2016 15:07	WG874400
2-Butanone (MEK)	U		0.159	0.340	23.25	05/22/2016 15:07	WG874400
Methylene Chloride	U		0.0339	0.170	23.25	05/22/2016 15:07	WG874400
4-Methyl-2-pentanone (MIBK)	U		0.0638	0.340	23.25	05/22/2016 15:07	WG874400
Methyl tert-butyl ether	0.0279	<u>J</u>	0.00720	0.0340	23.25	05/22/2016 15:07	WG874400
Naphthalene	U		0.0339	0.170	23.25	05/22/2016 15:07	WG874400
n-Propylbenzene	0.0294	Ţ	0.00700	0.0340	23.25	05/22/2016 15:07	WG874400
Styrene	U		0.00795	0.0340	23.25	05/22/2016 15:07	WG874400
1,1,1,2-Tetrachloroethane	U		0.00897	0.0340	23.25	05/22/2016 15:07	WG874400
1,1,2,2-Tetrachloroethane	U		0.0124	0.0340	23.25	05/22/2016 15:07	WG874400
1,1,2-Trichlorotrifluoroethane	U		0.0124	0.0340	23.25	05/22/2016 15:07	WG874400
Tetrachloroethene	U		0.00938	0.0340	23.25	05/22/2016 15:07	WG874400
Toluene	U		0.0148	0.170	23.25	05/22/2016 15:07	WG874400
1,2,3-Trichlorobenzene	U		0.0104	0.0340	23.25	05/22/2016 15:07	WG874400
1,2,4-Trichlorobenzene	U		0.0132	0.0340	23.25	05/22/2016 15:07	WG874400
1,1,1-Trichloroethane	U		0.00972	0.0340	23.25	05/22/2016 15:07	WG874400
1,1,2-Trichloroethane	U		0.00941	0.0340	23.25	05/22/2016 15:07	WG874400
Trichloroethene	U		0.00948	0.0340	23.25	05/22/2016 15:07	WG874400
Trichlorofluoromethane	U		0.0130	0.170	23.25	05/22/2016 15:07	WG874400
1,2,3-Trichloropropane	U		0.0251	0.0849	23.25	05/22/2016 15:07	WG874400
1,2,4-Trimethylbenzene	0.117		0.00716	0.0340	23.25	05/22/2016 15:07	WG874400
1,2,3-Trimethylbenzene	0.351		0.00974	0.0340	23.25	05/22/2016 15:07	WG874400
1,3,5-Trimethylbenzene	0.0462		0.00903	0.0340	23.25	05/22/2016 15:07	WG874400
Vinyl chloride	U		0.00988	0.0340	23.25	05/22/2016 15:07	WG874400
Xylenes, Total	0.0280	<u>J</u>	0.0237	0.102	23.25	05/22/2016 15:07	WG874400
(S) Toluene-d8	106			88.7-115		05/22/2016 15:07	WG874400
(S) Toluene-d8	102			88.7-115		05/24/2016 10:11	WG873513
(S) Dibromofluoromethane	107			76.3-123		05/24/2016 10:11	WG873513
(S) Dibromofluoromethane	95.8			76.3-123		05/22/2016 15:07	WG874400
(S) 4-Bromofluorobenzene	117			69.7-129		05/22/2016 15:07	WG874400

Sample Narrative:

(S) 4-Bromofluorobenzene

8260B L837090-02 WG874400: Non-target compounds too high to run at a lower dilution.

108

Semi-Volatile Organic Compounds (GC) by Method MADEPE

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Extractable Petroleum Hydrocarbon	2290		3.13	9.50	1	05/24/2016 15:20	WG874880
C9-C18 Aliphatics	1160		8.55	47.5	5	05/24/2016 14:59	WG874880
C19-C36 Aliphatics	376		2.57	47.5	5	05/24/2016 14:59	WG874880
C11-C22 Aromatics	757		0.779	9.50	1	05/24/2016 15:20	WG874880
(S) o-Terphenyl	51.1			40.0-140		05/24/2016 15:20	WG874880
(S) 1-Chloro-octadecane	69.2			40.0-140		05/24/2016 14:59	WG874880
(S) 2-Fluorobiphenyl	95.6			40.0-140		05/24/2016 15:20	WG874880
(S) 2-Bromonaphthalene	122			40.0-140		05/24/2016 15:20	WG874880

69.7-129

WG873513

05/24/2016 10:11

ONE LAB. NATIONWIDE.

Collected date/time: 05/20/16 11:30

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Acenaphthene	0.700		0.00938	0.0482	1	05/23/2016 12:02	WG874384
Acenaphthylene	U		0.00980	0.0482	1	05/23/2016 12:02	WG874384
Anthracene	U		0.00923	0.0482	1	05/23/2016 12:02	WG874384
Benzidine	U		0.0931	0.486	1	05/23/2016 12:02	WG874384
Benzo(a)anthracene	U		0.00625	0.0482	1	05/23/2016 12:02	WG874384
Benzo(b)fluoranthene	U		0.0102	0.0482	1	05/23/2016 12:02	WG874384
Benzo(k)fluoranthene	U		0.00850	0.0482	1	05/23/2016 12:02	WG874384
Benzo(g,h,i)perylene	U		0.0105	0.0482	1	05/23/2016 12:02	WG874384
Benzo(a)pyrene	U		0.00801	0.0482	1	05/23/2016 12:02	WG874384
Bis(2-chlorethoxy)methane	U		0.0112	0.486	1	05/23/2016 12:02	WG874384
Bis(2-chloroethyl)ether	U		0.0131	0.486	1	05/23/2016 12:02	WG874384
Bis(2-chloroisopropyl)ether	U		0.0111	0.486	1	05/23/2016 12:02	WG874384
4-Bromophenyl-phenylether	U		0.0167	0.486	1	05/23/2016 12:02	WG874384
2-Chloronaphthalene	U		0.00934	0.0482	1	05/23/2016 12:02	WG874384
4-Chlorophenyl-phenylether	U		0.00916	0.486	1	05/23/2016 12:02	WG874384
Chrysene	U		0.00811	0.0482	1	05/23/2016 12:02	WG874384
Dibenz(a,h)anthracene	U		0.0120	0.0482	1	05/23/2016 12:02	WG874384
1,2-Dichlorobenzene	U		0.0135	0.486	1	05/23/2016 12:02	WG874384
1.3-Dichlorobenzene	U		0.0149	0.486	1	05/23/2016 12:02	WG874384
1,4-Dichlorobenzene	U		0.0159	0.486	1	05/23/2016 12:02	WG874384
3,3-Dichlorobenzidine	U		0.116	0.486	1	05/23/2016 12:02	WG874384
2,4-Dinitrotoluene	U		0.00887	0.486	1	05/23/2016 12:02	WG874384
2,6-Dinitrotoluene	U		0.0108	0.486	1	05/23/2016 12:02	WG874384
Fluoranthene	U		0.00725	0.0482	1	05/23/2016 12:02	WG874384
Fluorene	0.627		0.00996	0.0482	1	05/23/2016 12:02	WG874384
Hexachlorobenzene	U		0.0125	0.486	1	05/23/2016 12:02	WG874384
Hexachloro-1,3-butadiene	U		0.0146	0.486	1	05/23/2016 12:02	WG874384
Hexachlorocyclopentadiene	U	<u>J0</u>	0.0858	0.486	1	05/23/2016 12:02	WG874384
Hexachloroethane	U	<u>==</u>	0.0196	0.486	1	05/23/2016 12:02	WG874384
Indeno(1,2,3-cd)pyrene	U		0.0113	0.0482	1	05/23/2016 12:02	WG874384
Isophorone	U		0.00763	0.486	1	05/23/2016 12:02	WG874384
Naphthalene	U		0.0130	0.0482	1	05/23/2016 12:02	WG874384
Nitrobenzene	U		0.0102	0.486	1	05/23/2016 12:02	WG874384
n-Nitrosodimethylamine	U		0.0102	0.486	1	05/23/2016 12:02	WG874384
n-Nitrosodiphenylamine	U		0.00868	0.486	1	05/23/2016 12:02	WG874384
n-Nitrosodi-n-propylamine	U		0.0000	0.486	1	05/23/2016 12:02	WG874384
Phenanthrene	1.78		0.0155	0.486	2	05/23/2016 13:12	WG874384
Benzylbutyl phthalate	U		0.0150	0.0304	1	05/23/2016 12:02	WG874384
Bis(2-ethylhexyl)phthalate	0.173	ı	0.0175	0.486	1	05/23/2016 12:02	WG874384
Di-n-butyl phthalate	U.1/3	<u>J</u>	0.0175	0.486	1	05/23/2016 12:02	WG874384
Diethyl phthalate	U		0.0109	0.486	1	05/23/2016 12:02	WG874384
Dimethyl phthalate	U		0.00789	0.486 0.486	1	05/23/2016 12:02	WG874384
Di-n-octyl phthalate			0.0133		1	05/23/2016 12:02	WG874384
Pyrene	0.416		0.0180	0.0482	1	05/23/2016 12:02	WG874384
1,2,4-Trichlorobenzene	U		0.0128	0.486	1	05/23/2016 12:02	WG874384
(S) Nitrobenzene-d5	81.8			21.9-129		05/23/2016 12:02	WG874384
(S) Nitrobenzene-d5	116			21.9-129		05/23/2016 13:12	WG874384
(S) 2-Fluorobiphenyl	47.3			34.9-129		05/23/2016 13:12	WG874384
(S) 2-Fluorobiphenyl	56.0			34.9-129		05/23/2016 12:02	WG874384
(S) p-Terphenyl-d14	73.2			21.5-128		05/23/2016 12:02	<u>WG874384</u>

















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(S) p-Terphenyl-d14

21.5-128

05/23/2016 13:12

WG874384

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Total Solids by Method 2540 G-2011

L837090-01,02

Method Blank (MB)

 (MB) R3139217-1
 05/23/16 11:12

 MB Result
 MB Qualifier
 MB MDL
 MB RDL

 Analyte
 %
 %

 Total Solids
 0.000500
 %



Ss

L837090-02 Original Sample (OS) • Duplicate (DUP)



Laboratory Control Sample (LCS)

(LCS) R3139217-2 05/23/16 11:12





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Volatile Petroleum Hydrocarbons by Method MADEPV

L837090-01,02

Method Blank (MB)

(MB) R3138888-3 05/20/16	6 14:09			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
C5-C8 Aliphatics	U		0.0133	0.100
C9-C12 Aliphatics	0.0137	<u>J</u>	0.00719	0.100
C9-C10 Aromatics	0.0190	<u>J</u>	0.00723	0.100
(S) 2,5-Dibromotoluene(FID)	104			70.0-130
(S) 2,5-Dibromotoluene(PID)	102			70.0-130

Ss

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Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3138888-1 05/2	20/16 10:17 • (LCSD) R3138888-2	05/20/16 10:50	C						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C5-C8 Aliphatics	1.20	1.19	1.18	98.9	98.4	70.0-130			0.540	25
C9-C12 Aliphatics	1.40	1.54	1.49	110	106	70.0-130			3.68	25
C9-C10 Aromatics	0.200	0.240	0.224	120	112	70.0-130			6.99	25
(S) 2,5-Dibromotoluene(I	FID)			105	106	70.0-130				
(S) 2,5-Dibromotoluene(A	PID)			103	103	70.0-130				











L836041-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L836041-12 05/21/16 19:47 • (MS) R3138888-4 05/21/16 22:32 • (MSD) R3138888-5 05/21/16 23:05

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C5-C8 Aliphatics	1.45	ND	47.3	46.5	96.9	95.3	33	70.0-130			1.66	25
C9-C12 Aliphatics	1.70	ND	66.9	63.6	119	113	33	70.0-130			5.06	25
C9-C10 Aromatics	0.242	ND	13.4	11.8	157	138	33	70.0-130	<u>J5</u>	<u>J5</u>	12.6	25
(S) 2,5-Dibromotoluene(FID)					88.2	90.7		70.0-130				
(S) 2,5-Dibromotoluene(PID)					88.8	90.5		70.0-130				

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Volatile Organic Compounds (GC/MS) by Method 8260B

L837090-01,02

Method Blank (MB)

(MB) R3139383-3 05/24/16	6 06:51			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
2-Chloroethyl vinyl ether	U		0.00234	0.0500
(S) Toluene-d8	101			88.7-115
(S) Dibromofluoromethane	109			76.3-123
(S) 4-Bromofluorobenzene	104			69.7-129







Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
2-Chloroethyl vinyl ether	0.125	0.145	0.144	116	115	16.7-162			0.790	23.7
(S) Toluene-d8				105	105	88.7-115				
(S) Dibromofluoromethane				109	109	76.3-123				
(S) 4-Bromofluorobenzene				106	105	69.7-129				







L836289-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L836289-01 05/24/16 12:50 • (MS) R3139383-4 05/24/16 13:12 • (MSD) R3139383-5 05/24/16 13:35

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
2-Chloroethyl vinyl ether	0.125	ND	0.775	0.830	124	133	5	5.00-159			6.82	40
(S) Toluene-d8					105	105		88.7-115				
(S) Dibromofluoromethane					110	108		76.3-123				
(S) 4-Bromofluorobenzene					104	105		69.7-129				



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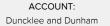
Ss

Volatile Organic Compounds (GC/MS) by Method 8260B

L837090-01,02

Method Blank (MB)

(MB) R3139238-3 05/22/1	6 09:16			
,	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Acetone	U		0.0100	0.0500
Acrylonitrile	U		0.00179	0.0100
Benzene	U		0.000270	0.00100
Bromobenzene	U		0.000284	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
n-Butylbenzene	U		0.000258	0.00100
sec-Butylbenzene	U		0.000201	0.00100
tert-Butylbenzene	U		0.000206	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
2-Chlorotoluene	U		0.000301	0.00100
4-Chlorotoluene	U		0.000240	0.00100
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dibromoethane	U		0.000343	0.00100
Dibromomethane	U		0.000382	0.00100
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
1,1-Dichloropropene	U		0.000317	0.00100
1,3-Dichloropropane	U		0.000207	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100



2,2-Dichloropropane

0.000279

0.00100

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC/MS) by Method 8260B

L837090-01,02

Method Blank (MB)

(MB) R3139238-3 05/22/16	6 09:16			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Di-isopropyl ether	U		0.000248	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
Isopropylbenzene	U		0.000243	0.00100
p-Isopropyltoluene	U		0.000204	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.000206	0.00100
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,1,2-Trichlorotrifluoroethane	U		0.000365	0.00100
1,2,3-Trichlorobenzene	U		0.000306	0.00100
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
1,2,3-Trichloropropane	U		0.000741	0.00250
1,2,3-Trimethylbenzene	U		0.000287	0.00100
1,2,4-Trimethylbenzene	U		0.000211	0.00100
1,3,5-Trimethylbenzene	U		0.000266	0.00100
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
(S) Toluene-d8	105			88.7-115
(S) Dibromofluoromethane	99.8			76.3-123



Ss

(S) 4-Bromofluorobenzene 104

69.7-129

1,2-Dichloroethane

1,1-Dichloroethene

cis-1,2-Dichloroethene

1,2-Dichloropropane

1,1-Dichloropropene1,3-Dichloropropane

cis-1,3-Dichloropropene

2,2-Dichloropropane

trans-1,3-Dichloropropene

trans-1,2-Dichloroethene

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC/MS) by Method 8260B

L837090-01,02

LCS Qualifier

LCSD Qualifier RPD

4.16

4.94

4.20

4.90

3.88

5.52

2.23

3.55

3.46

8.61

20

20 20

20

20

20

20

20

20

20

Rec. Limits

LCSD Rec.

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

LCSD Result LCS Rec.

(LCS) R3139238-1 05/22/16 07:39 • (LCSD) R3139238-2 05/22/16 07:58

Spike Amount LCS Result

Analyte	mg/kg	mg/kg	mg/kg	%	%	%	%	%		
Acetone	0.125	0.0973	0.0971	77.9	77.7	25.3-178	0.250	22.9		- <u>L</u>
Acrylonitrile	0.125	0.103	0.103	82.3	82.0	57.8-143	0.280	20		
Benzene	0.0250	0.0208	0.0221	83.2	88.3	72.6-120	5.89	20		
Bromobenzene	0.0250	0.0230	0.0237	92.0	94.6	80.3-115	2.83	20		Г
Bromodichloromethane	0.0250	0.0206	0.0216	82.6	86.5	75.3-119	4.61	20		
Bromoform	0.0250	0.0228	0.0235	91.4	94.0	69.1-135	2.89	20		1 5
Bromomethane	0.0250	0.0272	0.0303	109	121	23.0-191	10.8	20		-
n-Butylbenzene	0.0250	0.0220	0.0230	87.9	91.8	74.2-134	4.39	20		
sec-Butylbenzene	0.0250	0.0241	0.0250	96.3	100	77.8-129	3.79	20		
tert-Butylbenzene	0.0250	0.0244	0.0254	97.4	102	77.2-129	4.22	20		
Carbon tetrachloride	0.0250	0.0214	0.0213	85.4	85.4	69.4-129	0.0200	20		
Chlorobenzene	0.0250	0.0251	0.0260	100	104	78.9-122	3.49	20		
Chlorodibromomethane	0.0250	0.0234	0.0237	93.5	94.7	76.4-126	1.22	20		
Chloroethane	0.0250	0.0236	0.0245	94.2	98.1	47.2-147	4.02	20		L
Chloroform	0.0250	0.0207	0.0219	82.9	87.7	73.3-122	5.67	20		
Chloromethane	0.0250	0.0203	0.0213	81.3	85.0	53.1-135	4.40	20		1 :
2-Chlorotoluene	0.0250	0.0241	0.0248	96.5	99.4	74.6-127	2.94	20		
4-Chlorotoluene	0.0250	0.0240	0.0250	96.0	99.8	79.5-123	3.90	20		
1,2-Dibromo-3-Chloropropane	0.0250	0.0208	0.0214	83.3	85.5	64.9-131	2.58	20		
1,2-Dibromoethane	0.0250	0.0228	0.0237	91.1	94.7	78.7-123	3.96	20		
Dibromomethane	0.0250	0.0206	0.0216	82.4	86.6	78.5-117	4.96	20		
1,2-Dichlorobenzene	0.0250	0.0234	0.0241	93.4	96.5	83.6-119	3.23	20		
1,3-Dichlorobenzene	0.0250	0.0252	0.0260	101	104	75.9-129	3.17	20		
1,4-Dichlorobenzene	0.0250	0.0228	0.0235	91.2	94.0	81.0-115	2.99	20		
Dichlorodifluoromethane	0.0250	0.0265	0.0274	106	109	50.9-139	3.39	20		
1,1-Dichloroethane	0.0250	0.0220	0.0230	88.1	92.1	71.7-125	4.45	20		

67.2-121

60.6-133

76.1-121

70.7-124

76.9-123

71.2-126

80.3-114

77.3-123

73.0-127

61.9-132









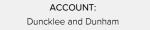












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86.8

83.4

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89.4

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92.8

92.2

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91.2

86.9

94.3

92.9

93.7

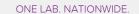
94.9

95.5

94.7

90.6

RPD Limits



Volatile Organic Compounds (GC/MS) by Method 8260B

L837090-01,02

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3139238-1 05/22/1											
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Di-isopropyl ether	0.0250	0.0201	0.0214	80.5	85.6	67.2-131			6.16	20	
Ethylbenzene	0.0250	0.0241	0.0247	96.2	98.6	78.6-124			2.43	20	
Hexachloro-1,3-butadiene	0.0250	0.0246	0.0262	98.5	105	69.2-136			6.25	20	
sopropylbenzene	0.0250	0.0236	0.0244	94.3	97.6	79.4-126			3.52	20	
-Isopropyltoluene	0.0250	0.0250	0.0257	100	103	75.4-132			2.76	20	
-Butanone (MEK)	0.125	0.105	0.105	83.7	83.7	44.5-154			0.0700	21.3	
ethylene Chloride	0.0250	0.0208	0.0218	83.3	87.3	68.2-119			4.70	20	
-Methyl-2-pentanone (MIBK)	0.125	0.0989	0.100	79.1	80.1	61.1-138			1.26	20	
lethyl tert-butyl ether	0.0250	0.0213	0.0222	85.4	88.8	70.2-122			3.94	20	
aphthalene	0.0250	0.0220	0.0231	87.9	92.2	69.9-132			4.77	20	
Propylbenzene	0.0250	0.0243	0.0251	97.3	101	80.2-124			3.24	20	
yrene	0.0250	0.0246	0.0254	98.5	102	79.4-124			3.03	20	
,1,2-Tetrachloroethane	0.0250	0.0238	0.0246	95.1	98.4	76.7-127			3.36	20	
1,2,2-Tetrachloroethane	0.0250	0.0219	0.0222	87.6	88.7	78.8-124			1.32	20	
etrachloroethene	0.0250	0.0254	0.0267	102	107	71.1-133			4.73	20	
bluene	0.0250	0.0219	0.0231	87.5	92.2	76.7-116			5.22	20	
,2-Trichlorotrifluoroethane	0.0250	0.0225	0.0235	90.1	94.0	62.6-138			4.18	20	
2,3-Trichlorobenzene	0.0250	0.0246	0.0257	98.4	103	72.5-137			4.34	20	
,4-Trichlorobenzene	0.0250	0.0252	0.0262	101	105	74.0-137			3.95	20	
1-Trichloroethane	0.0250	0.0225	0.0236	89.8	94.5	69.9-127			5.06	20	
I,2-Trichloroethane	0.0250	0.0235	0.0238	94.1	95.1	81.9-119			1.03	20	
ichloroethene	0.0250	0.0242	0.0254	96.8	102	77.2-122			4.93	20	
ichlorofluoromethane	0.0250	0.0209	0.0218	83.4	87.0	51.5-151			4.27	20	
2,3-Trichloropropane	0.0250	0.0231	0.0235	92.2	94.1	74.0-124			1.99	20	
,3-Trimethylbenzene	0.0250	0.0214	0.0226	85.7	90.3	79.4-118			5.29	20	
,4-Trimethylbenzene	0.0250	0.0240	0.0246	96.0	98.6	77.1-124			2.70	20	
3,5-Trimethylbenzene	0.0250	0.0249	0.0257	99.8	103	79.0-125			2.98	20	
nyl chloride	0.0250	0.0226	0.0238	90.3	95.2	58.4-134			5.27	20	
ylenes, Total	0.0750	0.0732	0.0755	97.6	101	78.1-123			3.03	20	
(S) Toluene-d8				106	106	88.7-115					

76.3-123

69.7-129





















(S) Dibromofluoromethane

(S) 4-Bromofluorobenzene

100

103

101

104

ONE LAB. NATIONWIDE.

Volatile Organic Compounds (GC/MS) by Method 8260B

L837090-01,02

L836519-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Dup

plicate (MSD)	
16 10:35	



	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Acetone	0.125	ND	1.70	1.71	59.9	60.2	22.75	10.0-130			0.630	31.5
Acrylonitrile	0.125	ND	2.09	2.13	73.5	75.1	22.75	39.3-152			2.08	27.2
Benzene	0.0250	ND	0.434	0.436	76.4	76.6	22.75	47.8-131			0.330	22.8
Bromobenzene	0.0250	ND	0.510	0.529	89.6	93.0	22.75	40.0-130			3.77	27.4
Bromodichloromethane	0.0250	ND	0.433	0.440	76.1	77.4	22.75	50.6-128			1.68	22.8
Bromoform	0.0250	ND	0.484	0.480	85.2	84.3	22.75	43.3-139			0.970	25.9
Bromomethane	0.0250	ND	0.259	0.313	38.2	47.7	22.75	5.00-189			19.0	26.7
n-Butylbenzene	0.0250	ND	0.494	0.497	86.9	87.3	22.75	23.6-146			0.500	39.2
sec-Butylbenzene	0.0250	ND	0.553	0.577	97.2	101	22.75	31.0-142			4.32	34.7
tert-Butylbenzene	0.0250	ND	0.559	0.573	98.3	101	22.75	36.9-142			2.49	31.7
Carbon tetrachloride	0.0250	ND	0.442	0.451	77.7	79.2	22.75	46.0-140			1.93	27.2
Chlorobenzene	0.0250	ND	0.550	0.568	96.6	99.9	22.75	44.1-134			3.35	25.7
Chlorodibromomethane	0.0250	ND	0.483	0.489	85.0	86.0	22.75	49.7-134			1.11	24
Chloroethane	0.0250	ND	0.0829	0.0818	14.6	14.4	22.75	5.00-164			1.39	28.4
Chloroform	0.0250	ND	0.436	0.442	76.7	77.8	22.75	51.2-133			1.40	22.8
Chloromethane	0.0250	ND	0.432	0.440	76.0	77.3	22.75	31.4-141			1.73	24.6
2-Chlorotoluene	0.0250	ND	0.560	0.553	98.4	97.2	22.75	36.1-137			1.20	28.9
4-Chlorotoluene	0.0250	ND	0.545	0.553	95.8	97.2	22.75	35.4-137			1.42	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.437	0.445	76.9	78.3	22.75	40.4-138			1.75	30.8
1,2-Dibromoethane	0.0250	ND	0.484	0.489	85.1	86.1	22.75	50.2-133			1.08	23.6
Dibromomethane	0.0250	ND	0.435	0.427	76.5	75.0	22.75	52.4-128			1.94	23
1,2-Dichlorobenzene	0.0250	ND	0.517	0.530	91.0	93.1	22.75	34.6-139			2.30	29.9
1,3-Dichlorobenzene	0.0250	ND	0.576	0.591	101	104	22.75	28.4-142			2.58	31.2
1,4-Dichlorobenzene	0.0250	ND	0.499	0.496	87.8	87.2	22.75	35.0-133			0.670	31.1
Dichlorodifluoromethane	0.0250	ND	0.567	0.558	99.6	98.1	22.75	31.2-144			1.50	30.2
1,1-Dichloroethane	0.0250	ND	0.445	0.449	78.3	78.9	22.75	49.1-136			0.710	22.9
1,2-Dichloroethane	0.0250	ND	0.443	0.440	77.8	77.3	22.75	47.1-129			0.670	22.7
1,1-Dichloroethene	0.0250	ND	0.410	0.407	72.0	71.5	22.75	36.1-142			0.700	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.452	0.438	79.4	77.0	22.75	50.6-133			3.13	23
trans-1,2-Dichloroethene	0.0250	ND	0.434	0.443	76.4	77.9	22.75	43.8-135			1.95	24.8
1,2-Dichloropropane	0.0250	ND	0.481	0.479	84.6	84.1	22.75	50.3-134			0.500	22.7
1,1-Dichloropropene	0.0250	ND	0.447	0.448	78.6	78.7	22.75	43.0-137			0.140	26.4
1,3-Dichloropropane	0.0250	ND	0.504	0.493	88.7	86.7	22.75	51.4-127			2.26	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.489	0.484	86.0	85.1	22.75	48.4-134			1.00	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.491	0.484	86.4	85.1	22.75	46.6-135			1.50	25.3
2,2-Dichloropropane	0.0250	ND	0.433	0.436	76.2	76.6	22.75	45.2-141			0.600	26.6









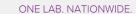












Volatile Organic Compounds (GC/MS) by Method 8260B

L837090-01,02

L836519-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L836519-01 05/22/16 09:57 • (MS) R3139238-4 05/22/16 10:16 • (MSD) R3139238-5 05/22/16 10:35										
Spike Amount	Original Result MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits





















	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
Di-isopropyl ether	0.0250	ND	0.421	0.415	74.0	72.9	22.75	46.7-140			1.57	23.5	
Ethylbenzene	0.0250	ND	0.515	0.529	90.5	93.0	22.75	44.8-135			2.67	26.9	
Hexachloro-1,3-butadiene	0.0250	ND	0.629	0.655	111	115	22.75	10.0-149			4.07	40	
Isopropylbenzene	0.0250	ND	0.526	0.538	92.6	94.6	22.75	41.9-139			2.13	29.3	
o-Isopropyltoluene	0.0250	ND	0.582	0.596	102	105	22.75	27.3-146			2.31	35.1	
2-Butanone (MEK)	0.125	ND	2.13	2.16	74.9	75.9	22.75	23.9-170			1.34	28.3	
Methylene Chloride	0.0250	ND	0.440	0.433	77.4	76.1	22.75	46.7-125			1.60	22.2	
4-Methyl-2-pentanone (MIBK)	0.125	ND	2.09	2.10	73.5	73.9	22.75	42.4-146			0.610	26.7	
Methyl tert-butyl ether	0.0250	ND	0.429	0.452	74.3	78.2	22.75	50.4-131			5.02	24.8	
Naphthalene	0.0250	ND	0.498	0.521	87.6	91.5	22.75	18.4-145			4.41	34	
n-Propylbenzene	0.0250	ND	0.545	0.555	95.9	97.6	22.75	35.2-139			1.78	31.9	
Styrene	0.0250	ND	0.546	0.561	95.9	98.7	22.75	39.7-137			2.80	28.2	
1,1,1,2-Tetrachloroethane	0.0250	ND	0.522	0.539	91.8	94.7	22.75	48.8-136			3.15	25.5	
1,1,2,2-Tetrachloroethane	0.0250	ND	0.480	0.493	84.5	86.7	22.75	45.7-140			2.57	26.4	
Tetrachloroethene	0.0250	ND	0.535	0.548	94.1	96.4	22.75	37.7-140			2.38	29.2	
Toluene	0.0250	ND	0.478	0.478	84.1	84.1	22.75	47.8-127			0.0300	24.3	
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.436	0.437	76.6	76.8	22.75	35.7-146			0.200	28.8	
1,2,3-Trichlorobenzene	0.0250	ND	0.602	0.618	106	109	22.75	10.0-150			2.55	38.5	
1,2,4-Trichlorobenzene	0.0250	ND	0.611	0.623	107	110	22.75	10.0-153			2.00	39.3	
1,1,1-Trichloroethane	0.0250	ND	0.470	0.465	82.6	81.8	22.75	49.0-138			1.06	25.3	
1,1,2-Trichloroethane	0.0250	ND	0.514	0.512	90.5	90.0	22.75	52.3-132			0.490	23.4	
Trichloroethene	0.0250	ND	0.511	0.515	89.8	90.6	22.75	48.0-132			0.910	24.8	
Trichlorofluoromethane	0.0250	ND	0.0405	ND	7.12	0.000	22.75	12.8-169	<u>J6</u>	J3 J6	200	29.7	
I,2,3-Trichloropropane	0.0250	ND	0.507	0.522	89.1	91.8	22.75	44.4-138			2.91	26.3	
,2,3-Trimethylbenzene	0.0250	ND	0.465	0.462	81.8	81.3	22.75	41.0-133			0.710	27.6	
,2,4-Trimethylbenzene	0.0250	ND	0.542	0.555	95.3	97.6	22.75	32.9-139			2.36	30.6	
,3,5-Trimethylbenzene	0.0250	ND	0.556	0.568	97.8	99.8	22.75	37.1-138			2.02	30.6	
/inyl chloride	0.0250	ND	0.467	0.466	82.0	81.9	22.75	32.0-146			0.190	26.3	
Kylenes, Total	0.0750	ND	1.60	1.63	93.6	95.5	22.75	42.7-135			1.96	26.6	
(S) Toluene-d8					107	107		88.7-115					
(S) Dibromofluoromethane					95.9	95.7		76.3-123					
(S) 4-Bromofluorobenzene					107	109		69.7-129					

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Semi-Volatile Organic Compounds (GC) by Method MADEPE

L837090-01,02

Method Blank (MB)

(MB) R3139460-1 05/24/1	6 11:50				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
C9-C18 Aliphatics	1.38	<u>J</u>	1.17	6.50	
C19-C36 Aliphatics	1.14	<u>J</u>	0.351	6.50	
(S) 1-Chloro-octadecane	73.3			40.0-140	









(MB) R3139460-4 05/24/	MB) R3139460-4 05/24/16 12:53								
	MB Result	MB Qualifier	MB MDL	MB RDL					
Analyte	mg/kg		mg/kg	mg/kg					
C11-C22 Aromatics	1.23	<u>J</u>	0.533	6.50					
(S) o-Terphenyl	78.5			40.0-140					
(S) 2-Fluorobiphenyl	102			40.0-140					
(S) 2-Bromonaphthalene	99.7			40.0-140					









Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(I CS) D3130460 2 05/24/16 12:11 - II CSD) D3130460 2 05/24/16 12:22

(LCS) R3139460-2 05/24	/16 12:11 • (LCSD) R3139460-3	05/24/16 12:32	<u>'</u>							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
C9-C18 Aliphatics	48.0	27.7	31.6	57.7	65.8	40.0-140			13.1	50	
C19-C36 Aliphatics	64.0	44.4	60.4	69.3	94.4	40.0-140			30.6	50	
(S) 1-Chloro-octadecane				66.4	<i>75.2</i>	40.0-140					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3139460-5 05/24/16 13:14 • (LCSD) R3139460-6 05/24/16 13:35

(200)	.0 .0 (2002	,	00/2 1/10 10:00							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C11-C22 Aromatics	136	110	112	81.1	82.1	40.0-140			1.21	50
(S) o-Terphenyl				80.2	79.7	40.0-140				
(S) 2-Fluorobiphenyl				96.6	96.3	40.0-140				
(S) 2-Bromonaphthalene				94.4	92.3	40.0-140				



Semi-Volatile Organic Compounds (GC) by Method MADEPE

L837090-01,02

L836851-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L836851-02 05/24/16 16:22 • (MS) R3139460-7 05/24/16 16:43 • (MSD) R3139460-8 05/24/16 17:04

(0.0) 1000001 02 00/2 1/10 10.22 (110) 10100 100 1 00/2 1/10 10.10 (1100) 100 0 00/2 1/10 1/.01												
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C9-C18 Aliphatics	58.2	U	36.7	40.9	60.6	67.8	1	40.0-140			10.7	50
C19-C36 Aliphatics	77.6	U	58.5	65.9	71.8	81.4	1	40.0-140			12.0	50
(S) 1-Chloro-octadecane					69.4	79.7		40.0-140				





L836851-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L836851-02 05/24/16 16:22 • (MS) R3139460-10 05/24/16 17:46 • (MSD) R3139460-9 05/24/16 17:25

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C11-C22 Aromatics	165	U	118	120	70.7	71.9	1	40.0-140			1.59	50
(S) o-Terphenyl					68.8	70.5		40.0-140				
(S) 2-Fluorobiphenyl					91.6	89.4		40.0-140				
(S) 2-Bromonaphthalene					89.2	86.4		40.0-140				











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Semi Volatile Organic Compounds (GC/MS) by Method 8270D

L837090-01,02

Method Blank (MB)

(MB) R3139077-3 05/23/10	6 11:15			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Acenaphthene	U		0.00642	0.0330
Acenaphthylene	U		0.00671	0.0330
Anthracene	U		0.00632	0.0330
Benzidine	U		0.0637	0.333
Benzo(a)anthracene	U		0.00428	0.0330
Benzo(b)fluoranthene	U		0.00695	0.0330
Benzo(k)fluoranthene	U		0.00582	0.0330
Benzo(g,h,i)perylene	U		0.00721	0.0330
Benzo(a)pyrene	U		0.00548	0.0330
Bis(2-chlorethoxy)methane	U		0.00770	0.333
Bis(2-chloroethyl)ether	U		0.00896	0.333
Bis(2-chloroisopropyl)ether	U		0.00760	0.333
4-Bromophenyl-phenylether	U		0.0114	0.333
2-Chloronaphthalene	U		0.00639	0.0330
4-Chlorophenyl-phenylether	U		0.00627	0.333
Chrysene	U		0.00555	0.0330
Dibenz(a,h)anthracene	U		0.00821	0.0330
1,2-Dichlorobenzene	U		0.00921	0.333
1,3-Dichlorobenzene	U		0.0102	0.333
1,4-Dichlorobenzene	U		0.0109	0.333
3,3-Dichlorobenzidine	U		0.0794	0.333
2,4-Dinitrotoluene	U		0.00607	0.333
2,6-Dinitrotoluene	U		0.00737	0.333
Fluoranthene	U		0.00496	0.0330
Fluorene	U		0.00682	0.0330
Hexachlorobenzene	U		0.00856	0.333
Hexachloro-1,3-butadiene	U		0.0100	0.333
Hexachlorocyclopentadiene	U		0.0587	0.333
Hexachloroethane	U		0.0134	0.333
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330
Isophorone	U		0.00522	0.333
Naphthalene	U		0.00889	0.0330
Nitrobenzene	U		0.00695	0.333
n-Nitrosodimethylamine	U		0.0647	0.333
n-Nitrosodiphenylamine	U		0.00594	0.333
n-Nitrosodi-n-propylamine	U		0.00906	0.333



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Semi Volatile Organic Compounds (GC/MS) by Method 8270D

L837090-01,02

Method Blank (MB)

(MB) R3139077-3 05/23/	16 11:15			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Phenanthrene	U		0.00528	0.0330
Benzylbutyl phthalate	U		0.0103	0.333
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333
Di-n-butyl phthalate	U		0.0109	0.333
Diethyl phthalate	U		0.00691	0.333
Dimethyl phthalate	U		0.00540	0.333
Di-n-octyl phthalate	U		0.00907	0.333
Pyrene	U		0.0123	0.0330
1,2,4-Trichlorobenzene	U		0.00876	0.333
(S) Nitrobenzene-d5	72.8			21.9-129
(S) 2-Fluorobiphenyl	79.1			34.9-129
(S) p-Terphenyl-d14	80.2			21.5-128

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3139077-1 05/23/	16 10:28 • (LCSE) R3139077-2	05/23/16 10:52	2							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
Acenaphthene	0.667	0.429	0.450	64.3	67.5	48.9-107			4.79	20	
Acenaphthylene	0.667	0.444	0.457	66.5	68.5	49.2-111			2.98	20	
Anthracene	0.667	0.443	0.464	66.4	69.6	52.0-112			4.76	20	
Benzidine	0.667	ND	ND	0.000	0.000	0.000-48.0			0.000	40	
Benzo(a)anthracene	0.667	0.445	0.470	66.7	70.5	52.3-106			5.52	20	
Benzo(b)fluoranthene	0.667	0.469	0.503	70.3	75.5	51.3-106			7.09	20	
Benzo(k)fluoranthene	0.667	0.465	0.485	69.7	72.7	52.9-107			4.30	20	
Benzo(g,h,i)perylene	0.667	0.474	0.489	71.1	73.3	45.8-108			3.09	20	
Benzo(a)pyrene	0.667	0.459	0.496	68.8	74.4	51.9-106			7.69	20	
Bis(2-chlorethoxy)methane	0.667	0.422	0.440	63.2	65.9	44.9-108			4.21	20	
Bis(2-chloroethyl)ether	0.667	0.328	0.341	49.2	51.2	32.5-112			3.93	26	
Bis(2-chloroisopropyl)ether	0.667	0.406	0.387	60.9	58.0	40.4-99.0			4.88	20.7	
4-Bromophenyl-phenylether	0.667	0.405	0.431	60.7	64.6	51.4-110			6.17	20	
2-Chloronaphthalene	0.667	0.393	0.406	58.9	60.9	47.1-105			3.29	20	
4-Chlorophenyl-phenylether	0.667	0.443	0.438	66.4	65.6	48.1-108			1.17	20	
Chrysene	0.667	0.443	0.467	66.4	70.1	54.4-110			5.39	20	
Dibenz(a,h)anthracene	0.667	0.454	0.490	68.1	73.5	45.7-111			7.64	20	

21.0-101



















0.667

0.384

0.344

57.5

3,3-Dichlorobenzidine

51.5

10.9

22

(S) p-Terphenyl-d14

QUALITY CONTROL SUMMARY



Semi Volatile Organic Compounds (GC/MS) by Method 8270D

L837090-01,02

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(1	CS) R3139077-1	05/23/16 10:28	(LCSD) R3139077-2	05/23/16 10:52

(LCS) R3139077-1 05/23/1	Spike Amount	•	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
2,4-Dinitrotoluene	0.667	0.475	0.494	71.2	74.1	53.0-112			4.08	20	
2,6-Dinitrotoluene	0.667	0.442	0.450	66.2	67.4	51.6-110			1.82	20	
Fluoranthene	0.667	0.445	0.476	66.7	71.4	53.7-110			6.78	20	
Fluorene	0.667	0.414	0.439	62.1	65.8	51.1-109			5.77	20	
1,2-Dichlorobenzene	0.667	0.308	0.332	46.2	49.8	37.2-98.0			7.32	20	
Hexachlorobenzene	0.667	0.435	0.437	65.3	65.5	43.2-104			0.340	20.1	
1,3-Dichlorobenzene	0.667	0.286	0.314	42.9	47.1	35.0-94.0			9.23	20	
Hexachloro-1,3-butadiene	0.667	0.436	0.432	65.3	64.8	41.5-112			0.880	20	
1,4-Dichlorobenzene	0.667	0.302	0.323	45.3	48.4	36.5-97.0			6.51	20	
Hexachlorocyclopentadiene	0.667	0.350	0.368	52.5	55.1	13.5-123			4.82	20.7	
Hexachloroethane	0.667	0.323	0.325	48.4	48.7	36.2-103			0.550	22.7	
Indeno(1,2,3-cd)pyrene	0.667	0.472	0.494	70.8	74.0	47.5-109			4.44	20	
Isophorone	0.667	0.443	0.451	66.5	67.5	28.8-104			1.59	20	
Naphthalene	0.667	0.402	0.401	60.3	60.2	43.4-103			0.150	20	
Nitrobenzene	0.667	0.415	0.439	62.2	65.8	40.7-109			5.65	21	
n-Nitrosodimethylamine	0.667	0.279	0.311	41.8	46.6	18.1-122			10.8	23.5	
n-Nitrosodiphenylamine	0.667	0.419	0.425	62.8	63.7	48.8-107			1.49	20	
n-Nitrosodi-n-propylamine	0.667	0.432	0.426	64.8	63.9	43.3-109			1.45	20	
Phenanthrene	0.667	0.421	0.424	63.1	63.6	51.6-107			0.900	20	
Benzylbutyl phthalate	0.667	0.412	0.445	61.8	66.7	47.5-115			7.52	20	
Bis(2-ethylhexyl)phthalate	0.667	0.408	0.425	61.2	63.7	48.1-116			3.95	20.5	
Di-n-butyl phthalate	0.667	0.404	0.460	60.6	68.9	49.7-113			12.8	20	
Diethyl phthalate	0.667	0.423	0.443	63.4	66.4	52.0-112			4.55	20	
Dimethyl phthalate	0.667	0.443	0.459	66.5	68.8	51.4-108			3.46	20	
Di-n-octyl phthalate	0.667	0.414	0.439	62.1	65.8	49.6-112			5.82	22	
Pyrene	0.667	0.432	0.474	64.8	71.1	47.1-108			9.29	20	
1,2,4-Trichlorobenzene	0.667	0.388	0.397	58.2	59.5	39.8-100			2.24	20	
(S) Nitrobenzene-d5				64.0	64.3	21.9-129					
(S) 2-Fluorobiphenyl				60.4	66.0	34.9-129					

L836495-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

63.9

(OS) L836495-01 05/23/16 12:25 • (MS) R3139077-4 05/23/16 13:59 • (MSD) R3139077-5 05/23/16 14:22

	Spike Amount (dry)	(dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%

21.5-128

73.9

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Semi Volatile Organic Compounds (GC/MS) by Method 8270D

837090-01,02

Acelya 6 hthene	0.949	Mg /kg	0.949	7 . 8 /2∕9	% 6.7	83.3	1	32.2-134	3 .95	27.3	
Acenaphthylene	0.745	ND	0.663	0.654	88.9	87.8	1	38.7-129	1.30	25.9	
Anthracene	0.745	ND	0.611	0.600	82.0	80.6	1	32.3-137	1.78	28.4	
Benzidine	0.745	ND	ND	ND	0.000	0.000	1	0.000-49.9	0.000	40	2
Benzo(a)anthracene	0.745	ND	0.604	0.572	81.0	76.7	1	33.3-124	5.45	29	
Benzo(b)fluoranthene	0.745	ND	0.639	0.603	85.8	81.0	1	23.3-133	5.73	30.3	3
Benzo(k)fluoranthene	0.745	ND	0.659	0.568	88.5	76.2	1	31.0-129	14.9	26.7	
Benzo(g,h,i)perylene	0.745	ND	0.597	0.548	80.2	73.6	1	10.0-127	8.59	31.9	
Benzo(a)pyrene	0.745	ND	0.646	0.589	86.7	79.1	1	28.2-128	9.22	28.4	4
Bis(2-chlorethoxy)methane	0.745	ND	0.608	0.624	81.7	83.7	1	35.0-132	2.47	26.1	L
Bis(2-chloroethyl)ether	0.745	ND	0.497	0.561	66.7	75.3	1	28.8-128	12.0	33.6	5
Bis(2-chloroisopropyl)ether	0.745	ND	0.584	0.622	78.4	83.6	1	31.8-118	6.37	31.7	
4-Bromophenyl-phenylether	0.745	ND	0.582	0.548	78.2	73.6	1	39.0-130	6.09	26	L
2-Chloronaphthalene	0.745	ND	0.578	0.579	77.5	77.7	1	37.5-123	0.220	26.5	6
4-Chlorophenyl-phenylether	0.745	ND	0.639	0.620	85.8	83.3	1	37.9-123	2.97	25.9	
Chrysene	0.745	ND	0.616	0.579	82.6	77.8	1	36.3-129	6.04	28	7
Dibenz(a,h)anthracene	0.745	ND	0.616	0.558	82.7	74.9	1	10.5-128	9.93	29.5	
3,3-Dichlorobenzidine	0.745	ND	0.456	0.413	61.3	55.5	1	10.0-129	9.95	40	L
2,4-Dinitrotoluene	0.745	ND	0.718	0.655	96.4	88.0	1	27.8-147	9.13	29.7	8
2,6-Dinitrotoluene	0.745	ND	0.635	0.612	85.3	82.1	1	36.5-137	3.77	29.7	L
Fluoranthene	0.745	ND	0.645	0.625	86.6	83.9	1	27.9-138	3.20	26.9	g
Fluorene	0.745	ND	0.617	0.599	82.9	80.4	1	34.0-133	2.98	27.1	
Hexachlorobenzene	0.745	ND	0.588	0.569	79.0	76.4	1	34.4-116	3.34	25.4	L
Hexachloro-1,3-butadiene	0.745	ND	0.670	0.613	89.9	82.4	1	36.5-125	8.79	29.7	
Hexachlorocyclopentadiene	0.745	ND	0.400	0.386	53.6	51.8	1	10.0-124	3.51	37.5	
Hexachloroethane	0.745	ND	0.480	0.512	64.5	68.7	1	11.3-143	6.29	31.9	
Indeno(1,2,3-cd)pyrene	0.745	ND	0.614	0.564	82.4	75.7	1	10.0-128	8.50	31.5	
Isophorone	0.745	ND	0.634	0.620	85.1	83.3	1	25.7-116	2.19	27.7	
Naphthalene	0.745	ND	0.600	0.536	80.6	72.0	1	36.4-121	11.3	27.2	
1,2-Dichlorobenzene	0.745	ND	0.513	0.519	68.9	69.7	1	43.0-106	1.17	29.4	
1,3-Dichlorobenzene	0.745	ND	0.480	0.502	64.5	67.4	1	41.8-100	4.41	31.4	
1,4-Dichlorobenzene	0.745	ND	0.489	0.527	65.6	70.7	1	42.6-103	7.49	29.9	
Nitrobenzene	0.745	ND	0.595	0.607	79.8	81.5	1	30.9-134	2.09	27.8	
n-Nitrosodimethylamine	0.745	ND	0.418	0.473	56.2	63.5	1	19.2-127	12.2	32	
n-Nitrosodiphenylamine	0.745	ND	0.552	0.527	74.1	70.7	1	26.8-133	4.67	25.9	
n-Nitrosodi-n-propylamine	0.745	ND	0.583	0.633	78.2	85.0	1	33.0-134	8.29	28.2	
Phenanthrene	0.745	ND	0.571	0.565	76.7	75.8	1	30.8-137	1.19	26.5	
Benzylbutyl phthalate	0.745	ND	0.532	0.520	71.5	69.9	1	33.4-128	2.29	28.5	
Bis(2-ethylhexyl)phthalate	0.745	ND	0.505	0.489	67.8	65.7	1	21.8-141	3.21	35.2	
Di-n-butyl phthalate	0.745	ND	0.554	0.585	74.3	78.6	1	32.2-133	5.54	25.9	
Diethyl phthalate	0.745	ND	0.629	0.625	84.4	83.9	1	39.4-136	0.550	25.5	

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Semi Volatile Organic Compounds (GC/MS) by Method 8270D

L837090-01,02

L836495-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L836495-01 05/23/16 12:25 • (MS) R3139077-4 05/23/16 13:59 • (MSD) R3139077-5 05/23/16 14:22

,	' '		`	,								
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Dimethyl phthalate	0.745	ND	0.643	0.640	86.3	86.0	1	35.8-137			0.390	25.4
Di-n-octyl phthalate	0.745	ND	0.496	0.492	66.6	66.1	1	28.5-128			0.800	32.5
Pyrene	0.745	ND	0.587	0.571	78.8	76.7	1	24.1-130			2.70	29.9
1,2,4-Trichlorobenzene	0.745	ND	0.602	0.563	80.8	75.6	1	36.5-114			6.69	28.4
(S) Nitrobenzene-d5					83.0	84.3		21.9-129				
(S) 2-Fluorobiphenyl					84.6	81.8		34.9-129				
(S) p-Terphenyl-d14					73.1	70.1		21.5-128				













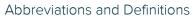






GLOSSARY OF TERMS





SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
JO	JO - Analyte exceeds %D or %Rec for Continuing Calibration per 8260C or 8270D method specific criteria. The identification of the analyte is acceptable; the reported value is an estimate.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.





















ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.*** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
llinois	200008	Oregon	TN200002
ndiana	C-TN-01	Pennsylvania	68-02979
owa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky 1	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
_ouisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



















Company Name/Address: Duncklee & Dunhar	m		Billing Info	ormation:					Total Control	Analysis	Contain	er / Preser	vative			Chain of Custody	Page of _
511 Keisler Dr. Cary, North Carolina			4	Sami								a Krain				W.A.B. S.C	SC
Report to: Rick Koll	5		Email To:	16 @dunck	deedunham.	com										YOUR LAS 12065 Lebanon Rd Mount Juliet, TN 37: Phone: 615-758-585	
Project Description: Former Townse	nd Plant			City/Ctate	Siler City	-										Phone: 800-767-585 Fax: 615-758-5859	
Phone: 919-858-9898 Fax: 919-858-9899	Client Project 201659C	#		Lab Project #		,										C067	7090
Collected by (print): Kevin Kelt	Site/Facility IC	*		P.O. #		1									60.11	Acctnum: DUN	NDUNNC
Collected by (signature): KeyVir KeyVir	Same	ay	200%	RUS Email?	Results Needed No ✓ Yes No Yes	No.	0	SV8270BN	MADEP VPH	ЕР ЕРН						Template: Prelogin: TSR: Cooler:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	V8260	3V82	MAD	MADEP						Shipped Via: R	
S-9A	Comp	SS	0-41	5-26-16	1215	6	×	×	×	×						Rem./Contaminant	Sample # [lab only]
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Company Name/Address: Duncklee & Dunhar	m		Billing Info	ormation:					Total Control	Analysis	Contain	er / Preser	vative			Chain of Custody	Page of _
511 Keisler Dr. Cary, North Carolina			4	Sami								a Krain				W.A.B. S.C	SC
Report to: Rick Koll	5		Email To:	16 @dunck	deedunham.	com										YOUR LAS 12065 Lebanon Rd Mount Juliet, TN 37: Phone: 615-758-585	
Project Description: Former Townse	nd Plant			City/Ctate	Siler City	-										Phone: 800-767-585 Fax: 615-758-5859	
Phone: 919-858-9898 Fax: 919-858-9899	Client Project 201659C	#		Lab Project #		,										C067	7090
Collected by (print): Kevin Kelt	Site/Facility IC	*		P.O. #		1									60.11	Acctnum: DUN	NDUNNC
Collected by (signature): KeyVir KeyVir	Same	ay	200%	RUS Email?	Results Needed No ✓ Yes No Yes	No.	0	SV8270BN	MADEP VPH	ЕР ЕРН						Template: Prelogin: TSR: Cooler:	
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	V8260	3V82	MAD	MADEP						Shipped Via: R	
S-9A	Comp	SS	0-41	5-26-16	1215	6	×	×	×	×						Rem./Contaminant	Sample # [lab only]
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ENVIRONMENTAL GEOLOGISTS & ENGINEERS

511 KEISLER DRIVE - SUITE 102 CARY, NORTH CAROLINA 27518 (919) 858 - 9898

OFFICE:

Website: www.dunckleedunham.com

Siler City, NC		AT SITE:		11 DSGA (Cohesion), 40km	Tex, vest hade
WEATHER: Cloudy, Cop!		TEMPERATI & TIME:	URE 56° 090	0	-
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THE FOLLOWING WAS NO					
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1000 Ben Troxler on site		\	8-12	26.6 ppm	
		V	12-16	21.7 pm	
Begin soil bring @ 5.	13 H	S-9A	0-4	150	1215
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		1	8-12	1.4	
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PROJECT NAME: PRESENT

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